ORDER NO. VSD9708M606A

Service Manual

Vol. 1

Sec. 1 Operating Instructions

Sec. 2 Maintenance & Disassembly Procedures

Sec. 3 Mechanical Adjustments

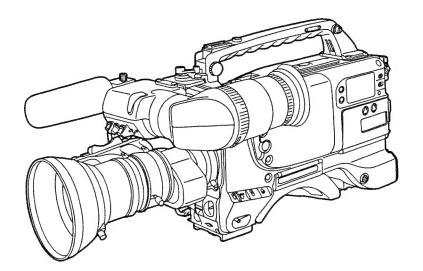
Sec. 4 Electrical Adjustments

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DVCPRO Camera Recorder

AJ-D800e/en



△WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products deal with in this service manual by anyone else could result in serious injury or death.

INTRODUCTION

This service manual contains technical information which allow service personnel to understand and service the DVCPRO Camera Recorder AJ-D800.

Specifications

General

Power supply voltage: Power consumption:

DC 12 V

24 W

Operating temperature: Storage temperature:

0°C to 40°C -20°C to 60°C

Operating humidity:

Less than 85% (relative humidity)

Continuous operating time:

Approx. 90 min. (using 1 Anton Bauer Trimpac 14 battery)

Weight:

Approx. 5.85 kg (incld. main unit, viewfinder, lens, battery pack,

tape and microphone)

Dimensions (W×H×D):

119.2×255.5 (includ. handle)×326.3 mm

Camera Section

Pick-up devices:

2/3-inch on-chip IT type of CCD

System:

RGB 3-CCD system 480.000 pixel

Picture elements: Spectral system:

F1.4 prism system

Built-in filters:

1; 3200K

2; 5600K+1/4 ND

3: 5600K

3, 5600K 4: 5600K+1/16 ND

Quantization:

10-bit A/D (R, G and B channels), 14.4 MHz

Digital signal processing:

16-bit length operation, 14.5 MHz/29.0 MHz

Programmable gains:

3 positions can be set from among -3, 0, 3, 6, 9, 12, 15, 18, 21,

24 and 30 dB.

Shutter speeds:

1/60, 1/120, 1/250, 1/500, 1/1000 and 1/2000 sec.

Synchro scan mode; 1/50.5–1/252.0 sec.

Lens mount:

2/3" Bayonet type

Sensitivity:

F8 (2000 lux, 89.9% reflection)

Minimum subject

2 lux (F1.4, +30 dB)

brightness: Image S/N ratio:

60 dB (typical)

Horizontal resolution:

750 lines (centre) 450 lines (normal mode)/500 lines (Super V mode)

Vertical resolution: Registration:

Below 0.03% (entire range) (excld. lens)

Geometric distortion:

Below measurable limit (excld. lens)

Viewfinder

CRT:

1.5" monochrome

Resolution:

600 lines (centre)

Specifications

VTR Section

VTR Video System (during playback on a standard playback unit)

Bands:

Brightness; 25 Hz to 5.75 MHz +1.0 dB/-3.0 dB

S/N ratio:

55 dB

K factor (2T pulse):

Within 2%

Y/C delay:

Within 20 ns

VTR Audio System (during playback on a standard playback unit)

Sampling frequency:

48 kHz (synchronized to video)

Quantization:

16-bits/sample

Frequency response:

20 Hz to 20 kHz±1.0 dB (at reference level)

Dynamic range:

85 dB or more (at 1 kHz, AWTD) Within 0.1% (at 1 kHz, operating level)

Distortion: Wow/flutter:

Below measurable limit

Head room:

18 dB

Emphasis:

T1=50 µs, T2=15 µs (can be turned ON/OFF)

VTR Tape Running System

Tape speed:

33.854 mm/s

Recording/playback time:

Approx. 63 min. (using the AJ-P63MP) Approx. 3 min. (using the AJ-P63MP)

FF/REW time:

Connectors

Input

AUDIO IN CH1/CH2

MIC/LINE switchable

(XLR, 3-pin, female):

MIC; Menu setting to -60/-50/-40 dBu

LINE; Menu setting to -6/0/+4 dBu

MIC IN (XLR, 3-pin, female):

GENLOCK IN (BNC):

Menu setting to -60/-50/-40 dBu, balanced 3 kohm 1.0 Vp-p, 75 ohm

0.5 to 18 Vp-p

TIME CODE IN (12-pin):

CODE IN (12-pin): 0.5 to 18

Output

CAMERA OUT (BNC):

1.0 Vp-p, 75 ohm

VIDEO OUT (BNC):

C): 1.0 Vp-p, 75 ohm

AUDIO OUT

(XLR, 3-pin, male):

0 dBu, balanced, low-impedance (Menu setting to CH1/CH2/MIX)

AUDIO CH1/CH2 OUT

(12-pin, TC IN/OUT combined):

-20 dBu, unbalanced, low-impedance

VTR (26-pin, option):

TIME CODE OUT (12-pin):

1.0 Vp-p

PHONES (mini-jack):

Other

REMOTE

DC IN (XLR, 4-pin, male):

DC 11 to 17 V

DC OUT (4-pin): LENS (12-pin):

DC 11 to 17 V, maximum rated current; 0.1 A

[OPTION (ECU), 6-pin]:

Accessories

Shoulder belt (1)

Sony battery connector, NP-1 screw

Video input connector (1)

Weight and dimensions shown are approximate. Specifications are subject to change without notice.

- 2 -

Related Components

Power supply related

AU-BP220, AU-BP402 battery packs
AG-B425 battery charger (for charging the AU-BP220 and AU-BP402 battery packs)
AU-M402H battery case
AU-B110 AC adaptor

Video cassette tapes

AJ-P12MP, AJ-P23MP, AJ-P33MP, AJ-P63MP metal tapes

Viewfinder

5-inch viewfinder

External VTR-related

Portable video cassette recorder
AJ-YA710P time code input/output/video input adaptor
AJ-YA700P 26-pin output connector (for connecting an external VTR to the 26-pin interface)
AJ-EC2/AQ-EC1 extension control unit
Connection cables

- •for connecting an external VTR to the 26-pin interface
- •for connecting an external VTR to the 14-pin/26-pin interface
- •SHAN-C12TCA multi connector cable

Audio components

AJ-MC700P microphone kit Stereo microphone AJ-MH700P microphone holder

Maintenance products

AJ-CL12MP cleaning tape AJ-SC700 soft carrying case SHAN-B700 carrying case SHAN-RC700 rain cover

For your safety

■ DO NOT REMOVE PANEL COVER BY UN-SCREWING.

To reduce the risk of the electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Lithium Battery

Warning

The lithium battery in this equipment must only be replaced by qualified personnel. When necessary, contact your local Panasonic supplier.

"The lithium battery is a critical component (type number CR2032 manufactured by Panasonic).

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connections observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose. It should be disposed of in waste products destined for burial rather than incineration."

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

VARNING

Explosionsfara vid felaktigt batteribyte.

Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!

Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme jabrikat og type. Levér det brugte batteri tilbage til leverandøren.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu

Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyypiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

Attention/Attentie

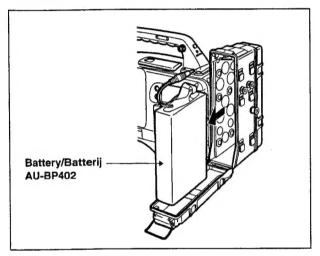
- Batteries are used for the main power source and memory back-up in the product.
 At the end of their useful life, you should not throw them away.
 Instead, hand them in as small chemical waste.
- Voor de primaire voeding en het reservegeheugen van het apparaat wordt gebruikgemaakt van een batterii.

Wanneer de batterij is uitgeput, mag u deze niet gewoon weggooien, maar dient u deze als klein chemisch afval weg te doen.

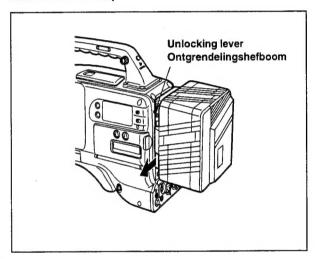
To remove the battery/Verwijderen van de batterij

Main Power Battery (Ni-Cd Battery) Batterij Voor Primaire Voeding (Nikkelcadmiumbatterij)

Battery/Batterij AU-BP402



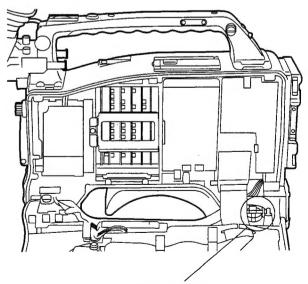
Anton/Bauer Battery Anton/Bauer-Batterij



- •If a battery made by any other manufacturer is to be used, check the Operating Instructions accompanying the battery.
- In geval u een batterij van een anden fabrikant zou gebruiken, gelieve dan eerst zorgvuldig de gebruiksaanwijzing van deze batterij te lezen.

Back-up Battery (Lithium Battery) Batterij Voor Reservegeheugen (Lithiumbatterij)

- For the removal of the battery for disposal at the end of its service life, please consult your dealer.
- Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.



Back-up Battery (Lithium Battery) Batterij Voor Reservegeheugen (Lithiumbatterij)

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.

2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are

properly installed.

3. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two

prongs on the plug.

2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 $M\Omega$ and $5.2M\Omega$.

When the exposed metal dose not have a return path to the chassis, the reading must be ∞ .

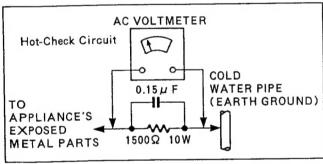


Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.

2. Connect a 1.5K Ω , 10W resistor, in parallel with 0.15 μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure 1.

3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.

4. Check each exposed metallic part, and measure the voltage at each point.

5. Reverse the AC plug in the AC outlet repeat each of the above measurements.

6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

before handling any semiconductor 1 Immediately component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.

Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the

unit under test.

- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded tip soldering iron to solder or unsolder, ES devices.
- Use only an anti-static solder removal device classified as 'anti-static" can generate electrical charges sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling un packaged replacement ES devices. (Otherwise harmless mother such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

- The potential source of X-Radiation in EVF sets is the High Voltage section and the picture tube.
- 2. When using a picture tube test jig for service, ensuire that jig is capable of handling 10kV without causing X-Radiation. NOTE: It is important to use an accurate periodically calibrated high voltage meter.
- Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ± 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the passibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

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Section 1. Operating Instructions

Section 2. Maintenance & Disassembly Procedures

This section includes maintenance chart, replacement parts location, sensors location, jig & tools, P.C.boards location, alignment tapes, service menu, disassembly procedures, major parts replacement, emergency eject, cleaning procedures, and auto off information.

Section 3. Mechanical Adjustments

This section includes LISTA adjustments.

Section 4. Electrical Adjustments

This section includes setup of EVR tool and the adjustments which need EVR tool, B.E.R.counter and RF Auto Adjustment Tool.

Section 5. Block Diagrams

Each block diagram has a brief description.

Section 6. Exploded Views & Parts List

OPERATING INSTRUCTIONS

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General and Features

The model AJ-D800 integrates a colour video camera which employs three interline transfer (IT) CCDs with 480,000 device on-chip lenses with a DVCPRO format VTR which is equipped with the latest compression technology.

The AJ-D800 is particularly compact and light weight with low power consumption, and realizes the optimal functions and performance for an electronic news gathering (ENG) VTR-integrated camera such as high picture quality and sensitivity, mobility, dustproofing and dampproofing, etc. In addition, both the camera section and the VTR employ a digital signal processing system which further improves picture quality and realizes a system for controlling setting menu and subject data by using world standard memory cards.

Features of the Camera Section

The camera section of the AJ-D800 has the following features.

- High sensitivity: 2000 lux (F8)
- •High S/N ratio: 60 dB (standard)
- ●Low smear
- Ultra-low flare

Digital signal processing

Signal processing is digitized by a 14.5 MHz/29.0 MHz (typ.) 10-bit AD/DA converter. This improves picture quality, stability and reliability, and allows the viewfinder screen displays as well as numerous adjustment and setup items to be converted to menus.

Setting menu

The setting menu is displayed on the viewfinder screen, and controls the status displays, messages, marker displays, etc. Whether or not to display each item, as well as the display conditions when items are to be displayed, can be selected according to the user's convenience. For example, display ON/OFF for the I lamp display which informs the user that the unit has entered irregular status can be selected for 7 different conditions.

The setting menu is also used to select various settings and functions and execute memory card operations, etc.

Setup cards

Setting menu and subject data can be stored on SRAM memory cards with a capacity of 64 kilobytes or greater which conform to PCMCIA standard ratings as setup cards. Stored data can be saved individually or according to the shooting conditions, allowing the same setup conditions to be easily reproduced and assisting in standardizing setup conditions between individual data.

High-function electronic shutter

Using the built-in electronic shutter achieves steady images even of quickty moving subjects. In addition, the following special operation modes can also be selected.

- Synchro scan mode: This mode is suited for shooting personal computer and workstation monitor screens, and provides images with little horizontal stripe noise.
- High vertical resolution (Super V) mode: This mode provides images with high vertical resolution compared to standard mode.

Wide range of video gain selections

Eleven gain values can be selected from -3 dB to +30 dB using the setting menu and the GAIN switch. The high S/N ratio allows images with little noise to be obtained even when the gain is increased for shooting in dark locations.

Automatic adjustment and memory functions for black balance/white balance

The black set, black balance and white balance can be automatically adjusted by simple switch operations. Adjustment values are held in the memory even if the power for the unit is turned off, so there is no need to readjust the balance each time the power is turned on.

There are two memory systems for white balance which can hold four adjustment values each for the CC and ND filters, making a total of eight adjustment values. When adjustment values matching the illumination conditions are selected from among the values stored in the memory that unit is automatically adjusted to the corresponding white balance. (A menu setting also allows adjustment of only two values instead of the values for each filter.) In addition, when the unit is shipped from the factory, the white balance value for 3200K is stored in the memory as a preset value. This value can be called when there is no time to adjust the white balance, etc.

Features

High-performance viewfinder

- The high-resolution CRT projects a detailed picture which facilitates focus operations.
- •The viewfinder employs a low flare CRT which makes the screen easy to see.
- A centre marker which indicates the centre of the screen and a safety zone marker which indicates the effective screen region can be displayed by menu operations.
- A large aperture allows the screen to be easily seen even when the operator's eye is removed from the eyepiece.
- •The eyepiece can easily be detached. When the eyepiece is detached, the centre of the screen will not become blurred even when viewed from a distance. This also facilitates the removal of dust which has adhered to the CRT screen and mirror.
- One-touch position adjustment is possible not only in the right-left direction but also in the forward-backward direction.

Character display function

The unit is equipped with a function that displays switch settings, the automatic adjustment status for black balance and white balance, warning displays, etc. on the viewfinder screen. In addition, when using an Anton Bauer Digital Magnum series battery as the unit's power supply,

the remaining battery level can be displayed numerically on the viewfinder screen.

Warning system for displaying the VTR section status

The unit informs of VTR trouble, the end of the tape, battery wear, etc. with various warning lamps and a warning tone. The remaining tape time can also be checked by the character display inside the viewfinder.

Four filter disks as standard equipment

CC (colour temperature conversion) and ND (neutral density) filters are provided as standard equipment. This allows the optimal filter setting to be selected from among four combinations in accordance with the bringthness of the subject.

Fine adjustment of the automatic iris reference value

The reference value for automatic iris adjustment can be finely adjusted by setting menu operations.

Auto close function

The unit is equipped with an auto close function which automatically closes the lens in the following cases.

- When the black balance is automatically adjusted.
- •When the power is turned off in the auto iris mode.

Generation of EBU colour bar and reference audio signals

The camera section contains a circuit which generates an EBU type colour bar signal to facilitate colour monitor adjustments, and a circuit which generates a reference level audio signal to facilitate audio level adjustments.

Functions and circuits for assuring high picture quality

The AJ-D800 is equipped with the following functions (and circuits) in order to assure high picture quality and is designed to make the fullest use of the advantages of the high-performance CCD.

- A built-in AUTO KNEE circuit achieves a wide dynamic range which allows large signals to pass through.
- ◆A built-in 2-line image enhancer
- A built-in shading compensation function for use with a lens extender
- A built-in sawtooth wave generator for adjustments
- A zebra pattern ON/OFF selector switch which selects three types of zebra patterns including spot zebra from two levels of zebra patterns.

Audio function

- A phantom power supply type super-cardioid microphone (option) can be attached and it can also be detached from the main unit for use in interviews.
- Microphone can also be connected, and can be attached to the main unit using the AJ-MH700P microphone holder (option).
- The audio CH1 recording level can be easily adjusted at the front panel of the unit.

Recording by an external VTR

When an external VTR is connected using the 26-pin output adaptor (option, AJ-YA700P), recording can be performed by the external VTR instead of the internal VTR.

Remote control

Connecting the Extension Control Unit (option, AJ-EC2/AQ-EC1) allows a portion of the camera section functions to be operated by remote control.

Features of the VTR section

Digital system

The VTR section features a component digital recording system that employs the latest compression technology and non-compressed PCM recording for audio. This system provides superior S/N, frequency band and waveform characteristics as well as reproduction of detailed areas, etc., and realizes even higher picture and sound quality.

Rec review function

This function automatically rewinds the tape and plays back the last two seconds recorded, allowing recorded contents to be quickly checked.

Playback function

Playback pictures (black-and-white pictures) can be seen on the viewlinder screen. In addition, colour playback pictures can be seen on a colour monitor connected to the VIDEO OUT connector on the main unit.

Built-in time code generator/reader

Time code information can be recorded and played back on a dedicated subcode track.

Locking of the time code to an external source

The built-in time code generator can be locked to an external generator. Also, the built-in time code generator uses a lithium battery as its back-up power supply, allowing time codes to be backed up for approximately one year even if power is not supplied to the unit.

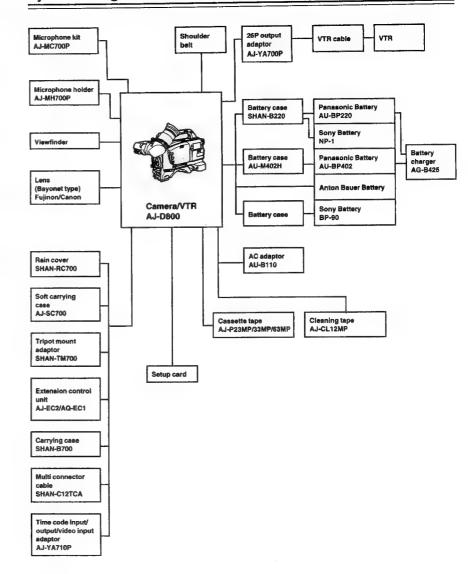
Built-in DOLBY NR System*

A Dolby B Noise Reduction System is built in for audio recording in the longitudinal direction.

Successive shooting

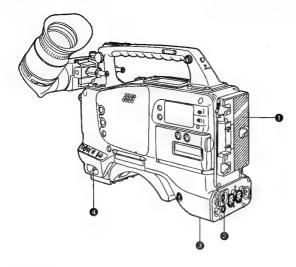
Images can be shot successively within an accuracy of +1 frame can be performed simply by pressing the VTR START button or the lens VTR button.

System Configuration



^{*}Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

[&]quot;Dolby" and the double-D symbol III are trademarks of Dolby Laboratories Licensing Corporation.



Power Supply Section

The battery pack (option) made by Anton Bauer is mounted onto this holder.

② DC IN (external power input) connector (XLR, 4P)

The AU-B110 AC adaptor (option) is plugged into this socket when the unit is to be operated by AC power. An external battery is plugged in when an external battery is to be used to operate

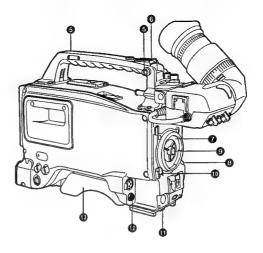
BREAKER (circuit breaker) button

In order to protect the equipment, the circuit breaker is tripped and the power is automatically turned off when an excessively high level of power flows inside. Upon completion of the internal inspection and adjustments, push this button back in. The power will come back on provided that there is no trouble inside the unit.

O POWER switch

ON: Set to this position to turn on the unit's power.

OFF: Set to this position to turn off the unit's power.



Accessory Mounting Section

6 Hook for mounting shoulder belt

Attach the accessory shoulder belt to this hook.

(a) Light shoe

Mount the video light, etc. onto this shoe.

Lens mount (bayonet type) Mount the lens here.

Lens clamping lever

Insert the lens into the lens mount , and turn the lens mount ring using this lever to clamp the lens.

Press up the lens clamping lever 3 to remove this cap. Keep the cap in place if the lens is not going to be mounted.

(h) Lens cable clamp

This is for clamping the lens cable.

Tripod mount

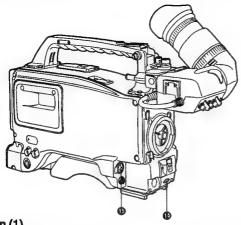
When the unit is to be secured to a tripod, mount the optional tripod attachment.

(D LENS connector (12-pin)

Hook up the lens connecting cable to this connector. Consult with your dealer concerning the lens which you are going to use.

(f) Shoulder pad

Adjust this pad to facilitate operation when carrying the unit on your shoulder. Its position can be brought forward or backward and adjusted by loosening the two set screws.



Audio Function Section (1)

AUDIO LEVEL CH1 (audio channel 1 recording level) control

When the AUDIO SELECT CH1/CH2 switch (f) is set to MAN, the recording level of audio channel 1 can be adjusted by this control in addition to the AUDIO LEVEL CH1 control (f) on the side panel.

MiC iN (microphone input) jack (XLR, 3-pin)

Connect an optional microphone to this jack. The power for the microphone is supplied from this jack.

Audio Function Section (2)

AUDIO LEVEL CH1/CH2 (audio channel 1/2 recording level) controls

When the AUDIO SELECT CH1/CH2 switch is set to MAN, the audio level of audio channels 1 and 2 can be adjusted using these controls.

However, the audio CH1 level can also be adjusted using the AUDIO LEVEL CH1 control (3) on the front panel

 AUDIO SELECT CH1/CH2 switch (audio channel 1/2 auto/manual level adjustment selector) switch

This selects the method used to adjust the audio levels of audio channels 1 and 2.

AUTO: For adjusting the levels automatically.

MAN: For adjusting the levels manually.

AUDIO IN (audio input selector) switch

This selects the input signals to be recorded on audio channels 1 and 2.

FRONT [MIC]: The microphone input signals connected to the MIC IN jack (6) are recorded.

REAR [MIC]: The microphone input signals connected to the AUDIO IN CH1/CH2 connec-

tors (a) are recorded.

REAR [LINE]: The line input signals connected to the AUDIO IN CH1/CH2 connectors (1) are

(B) AUDIO IN CH1/CH2 (audio input channel 1/2) connectors (XLR, 3P)

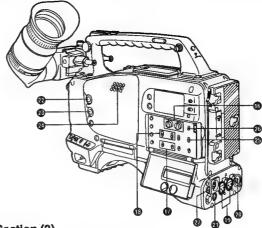
An audio component or microphone is connected here.

@ AUDIO OUT connector (XLR, 3P)

This is connected to an audio component. The audio channels can be selected on the setting

@ DC OUT (DC power output) connector

This is the DC 12 V output connector. A current of approximately 100 mA can be taken out.



Audio Function Section (3)

@ ALARM (warning tone volume) control

This adjusts the warning tone volume heard from the speaker @ or the earphone connected to the PHONES jack @. When it is set to the lowest position, the warning tone is not audible. However, by making changes to the inside parts, the tone can be made audible even when the control is at its lowest position.

MONITOR (volume) control

This adjusts the volume of the sound other than the warning tone—the sound from the speaker on earphone (a). When it is set to the lowest position, no sound is heard.

Audio Function Section (4)

Speaker

During recording, the EE sound can be monitored; during playback, the playback sound can be monitored.

The warning tone is heard through the speaker in synchronization with the flashing or lighting of the warning lamp and warning display.

The speaker sound is automatically muted when an earphone is connected to the PHONES inch.

MONITOR SELECT (audio channel selector) switch

This selects the audio channel whose sound is to be heard through the speaker ${\bf @}$ or earphone.

CH1: The audio channel 1 sound is output.

CH1, 2: The sound produced by mixing the audio channel 1 and 2 sound or the stereo sound is output. However, only the mixed sound is output from the speaker ②.

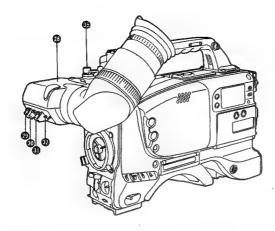
CH2: The audio channel I sound is output.

® MONITOR (sound selector) switch

This selects the sound of the earphone when CH1, 2 is selected with the MONITOR SELECT switch (8).

PHONES (earphone) jack (mini-jack)

When an earphone (option) is connected to this jack, the sound selected by the MONITOR switch @ can be heard. The warning tones relating to the unit's operation or status can also be heard. An earphone enabling a sufficiently high volume of sound to be heard is recommended. When the earphone is connected, speaker @ sound is automatically muted.



Shooting (Recording)/Playback Function Section (1)

Wiewfinder

Black-and-white images can be seen in the viewfinder during recording and playback. Warnings and messages relating to the unit's operating status and settings, zebra pattern, markers (safety zone marker, centre marker), etc. can also be seen.

@ PEAKING control

This is used to adjust the contours of the images inside the viewfinder to facilitate focusing. It does not affect the camera's output signals.

® CONTRAST control

This is used to adjust the contrast of the screen inside the viewfinder. It does not affect the camera's output signals.

BRIGHT control

This is used to adjust the brightness of the screen inside the viewfinder. It does not affect the camera's output signals.

@ ZEBRA (zebra pattern) switch

This displays the zebra pattern inside the viewlinder.

ON: The zebra pattern is displayed.

OFF: The zebra pattern is not displayed.

When the unit is shipped from the factory, the zebra pattern is set in such a way that those parts with an video level from approx. 70% to 85% are displayed. The displaying of parts with a level ranging from 50% to 110% or more or with a certain level can also be set on the setting menu.

Diopter control knob

This is adjusted in such a way that the images on the viewfinder screen are seen most clearly in accordance with the dioptric power of the camera's operator.

Eve cup

Viewfinder forward-backward/left-right position clamp lever

Loosen this lever to adjust the position of the viewlinder in the forward-backward or left-right direction.

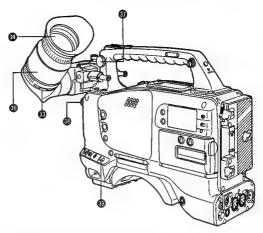
Eyecup forward-backward movement ring

Turn this ring to adjust the position of the eyecup @ in the forward-backward direction.

Viewfinder stopper screw

To detach the viewfinder
from the camera, loosen this screw and then detach the view-finder.





Shooting (Recording)/Playback Function Section (2)

@ CC/ND FILTER (filter selector) knob

This selects the filter to match the light source which is illuminating the subject.

If the setting of this knob is changed when the menu display mode has been set to "3" (default setting), the new setting will appear for about 3 seconds on the setting change message display area of the viewfinder screen.

The knob and filter settings are listed below.

Examples of filter settings to match shooting conditions

FILTER nob setting	Description	Filter	Shooting condition	
1	3200K	1	Sunrise, sunset, inside a studio	
2	5600K+1/4ND	2	Outdoors under a clear sky	
3	5600K	3	Outdoors under a cloudy or	
4	5600K+1/16ND		rainy sky	
		4	Snow scenes, high mountains, coastlines and other extremely clear and bright scenes	

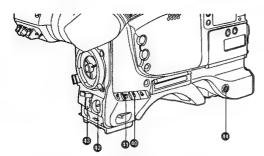
@ WHITE BAL (white balance memory selector) switch

PRST: Set to this position when there is no time to adjust the white balance. The white balance value for 3200K is stored in the memory.

A or B: When the AUTO W/B BAL switch
is pressed to the AWB side, the white balance is automatically adjusted in accordance with the setting position of the filter knob
, and the adjustment value is stored in memory A or memory B.

When the FILTER knob and the WHITE BAL switch are set to the same positions as the ones set when the adjustment was made, the adjustment value stored in the memory is called, and the unit it automatically adjusted to the white balance which corresponds to this value.

If the setting of this switch is changed when the menu display mode has been set to "3" (default setting), the new setting will appear for about \$\bar{\text{\$}}\$ seconds at the WHITE BAL switch display position on the viewfinder screen. (Example: "W: A")



Shooting (Recording)/Playback Function Section (3)

@ OUTPUT (output signal selector)/AUTO KNEE switch

This switch selects the video signals which are to be output from the camera unit to the VTR unit, viewlinder and video monitor. The AUTO KNEE function can be used when the images shot by the camera have been selected.

■ OUTPUT/AUTO KNEE switch setting positions

BARS	Colour bar signals are output. The AUTO KNEE circul is not activated. Set the switch to this position in the following cases:
	 When adjusting the video monitor When recording colour bar signals
CAM, AUTO KNEE OFF	The images shot by the camera are output. The AUTO KNEE circuit is not activated. The default setting is "MANUAL KNEE".
CAM, AUTO KNEE ON	The images shot by the camera are output. The AUTO KNEE circuit is activated.

GAIN (gain selector) switch

This is used to change the video amplifier's gain in accordance with the lighting conditions during shooting. The gain values corresponding to the L, M and H settings are assigned beforehand on the setting menu. When the unit is shipped from the factory, these settings are: L=0 dB, M=9 dB and H=18 dB.

If the setting of this switch is changed when the menu display mode has been set to "3", the new setting will appear for about 3 seconds at the gain display position on the viewfinder screen. (Example: "12 dB")

② AUTO W/B BAL (white balance/black balance automatic adjustment) switch

AWB: Set to this position for automatically adjusting the white balance. When the WHITE BAL switch @ is now set to "A or B", the adjusted value will be stored in memory A or mem-

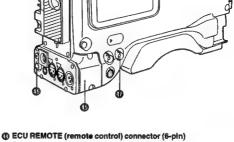
ABB: Set to this position for automatically adjusting the black balance. The adjusted value will be stored in the dedicated memory.

(1) SHUTTER switch

Set this to ON when using the electronic shutter. When it is pressed to the SEL side, the shutter speed and mode displays change in the ranges preset on the setting menu. If the setting of this switch is changed when the menu display mode has been set to "2" or "3", the new settings will appear for about 3 seconds at the shutter display position on the viewfinder screen. (Example: ":1/252", ":1/50.5")

When the level is adjusted to people, scenes, etc. for shooting against a very bright background, the background will be whited out and the buildings or scenes in the background will become blurned. If the AUTO KNEE function is activated in cases like these, the background can be reproduced in clear detail. This function is especially effective for shooting in the following conditions:

- •When shooting people in shade under a clear sky
- When simultaneously shooting people in vehicles or indoor and the outdoor scenery seen through the windows
- · When shooting scenes with a high contrast



Connect the AJ-EC2/AQ-EC1 extension control unit (option) here.

The POWER switches on unit and extension control unit must be set to OFF before the remote control cable is connected or disconnected.

(accessory)/26-pin output adaptor (option) mount VIDEO IN connector (accessory) (See below for the mounting method.)

The composite video signals are supplied here. It is used for checking the return signal.

26-pin output adaptor (option) (See page 98 for mounting method.)

The 26-pin output adaptor AJ-YA700P (option) is mounted on this section. When the portable VTR is connected as the external VTR, recording can be performed simultaneously with the unit's built-in VTR.

(BNC) WIDEO OUT connector (BNC)

This outputs the video signals (75Ω termination, rated level) to be monitored. During recording, EE images can be monitored; during playback, playback images can be monitored. While performing settings on the menu, the setting menu can be superimposed onto the shot images appearing on the monitor screen so that the settings can be checked (in which case, the images appear in black and white).

(BNC) CAM OUT (camera output) connector (BNC)

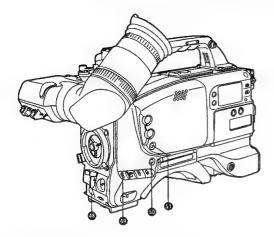
This outputs the composite video signals (75 Ω termination, rated level). When a video monitor is connected, the images shot by the camera can be monitored. Even while the VTR is playing back, the camera's images are output at all times.

Mounting the VIDEO IN connector

Remove the blank panel and mount the VIDEO IN connector



Connect the 2P connector.



Shooting (Recording)/Playback Function Section (4)

Ø VTR START buttor

When this pressed, recording commences; when it iii pressed again, recording stops. This button has the same function as the VTR button on the lens side.

TR SAVE/STBY (tape protection) switch

This selects the power supply status while the VTR recording is temporarily stopped (REC PAUSE).

SAVE: This is the tape protection mode. The cylinder is stopped in the half-loading status.

Compared with the STBY position, less power is consumed and the unit can be oper-

ated longer using the bastery. It takes longer for recording to commence after the VTR START button (a) is pressed in the SAVE position than in the STBY position.

When the switch is set to this position, the VTR SAVE lamp inside the viewfinder lights.

STBY: Recording commences immediately when the VTR START button is pressed.

MODE CHECK button

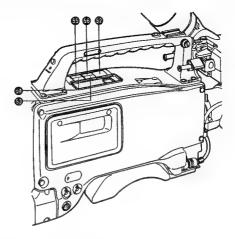
While this button is kept depressed, the camera's setting status is displayed in the viewfinder. It does not affect the camera's output signals. This button can also be used for fine adjustment at the setting menu during synchro scan mode.

5 SUPER IRIS button

This is used when backlight compensation is to be provided. When it is pressed, the switch settings are displayed inside the viewfinder for 3 seconds. When it is pressed again, backlight compensation is released.

Whether the super gain (30 dB) mode or the super lifs (backlight compensation) mode is to apply can be selected on the setting menu. This button can also be used for fine adjustment during synchro scan mode.

Super gain: When 30 dB is allotted to the SUPER IRIS button, DTL and other menu settings cannot be performed for this 30 dB.



S EJECT (cassette eject) button

Press this to insert or eject the cassette.

@ REW (rewind) button

Press this to rewind the tape. Its tamp lights during rewinding.

If this button is pressed during playback, the playback images are rewound at approximately quadrupte speed while the button is held down.

@ FF (fast forward) button

Press this to fast forward the tape. Its lamp lights during fast forwarding.

If this button is pressed during playback, the playback images are fast forwarded at approximately quadruple speed while the button is held down.

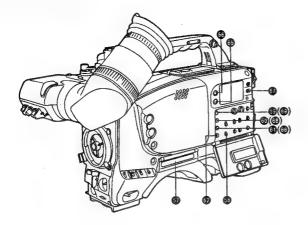
@ PLAY (playback) button

Press this to view the playback images on the viewfinder screen or colour video monitor. Its lamp lights during playback.

If this button is pressed again during playback, playback is paused and the lamp goes off. After playback has been paused for 2 minutes, the unit automatically switches to stop status (STOP).

STOP button

Press this to stop the tape travel.



Menu Operation Section

Setup card insertion slot

The optional setup cards are inserted into this slot.

MENU SET/OFF switch

This displays the setting menu on the viewfinder screen.

SET: The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first of the pages which can be displayed appears.)

OFF: The setting menu is not displayed on the viewfinder screen.

SHIFT/ITEM button

Each time this button is pressed, the cursor moves on the setting menu page now displayed. Use it when selecting items.

<Nate>

This switch functions differently depending on the operation item. Check the function by operating the menu item by item.

@ UP button

This is used to increment the setting of the item selected on the setting menu by 1 level each time it is pressed or to switch the setting between ON and OFF.

® DOWN buttor

This is used to decrement the setting of the item selected on the setting menu by 1 level each time it is pressed or to switch the setting between ON and OFF.

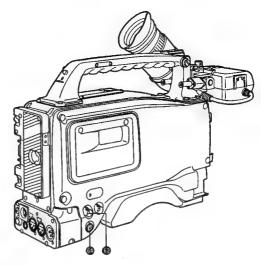
PAGE button

This is used to select the setting menu page.

Time Code-Related Section (1)

GENLOCK IN connector (BNC)

The reference signal is supplied to this connector for genlocking with the camera section.



Multi (TC IN/OUT, AUDIO OUT CH1/CH2) connector

TC IN side

The time code serving as the reference is input when the time code is locked to an external source.

TC OUT side:

Connect this to the time code TC IN connector on the external VTR when locking the external VTR's time code to this unit's time code.

AUDIO OUT CH1/CH2 side:

This is the audio output connector. The audio signal is output at -20 dB (0 dB=0.775 V), unbelanced

Time Code-Related Section (2)

HOLD button

The time data appearing on the counter display at the instant when this button is pressed is held. (The time code generator will still continue to run.) When the button is pressed again, the hold status is released. Use the button to ascertain the time at which a particular scene was shot, for example.

@ RESET button

This resets the time data or user's bit data on the counter display to "00:00:00:00" or "00 00 00 00", respectively.

(h) DISPLAY switch

The time code, CTL or user's bit is made to appear on the counter display depending on the setting positions of this switch and the TCG switch .

UB: The user's bit is displayed.

TC: The time code is displayed.

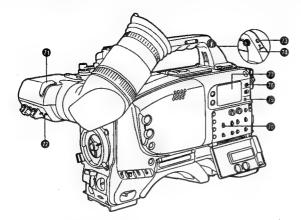
CTL: CTL is displayed.

UP button, DOWN button

When setting the time code or user's bit, these buttons increment or decrement by 1 the figure of the digit made to flash by the SHIFT/TEM button ®.

SHIFT/ITEM (digit advance) button

When setting the time code or user's bit, this button is used to cause the digit which is to be set to flash.



@ TCG (time code selector) switch

This is used to set the running mode of the internal time code generator.

F-RUN: This position is used when the time code is to be advanced continuously regardless of the VTR's operation.

Set to this position when aligning the time code with the actual time or locking the time code to an external source.

SET: This position is used for setting the time code or user's bit.

R-RUN: This position is used when the time code is to be advanced only while recording is in progress. The time code will be recorded continuously on a tape with a succession of unedited shote.

Warning/Status Display Section

Tally lamp

This is activated when the TALLY switch (a) is at HIGH or LOW, and it lights during recording by the VTR section. It flashes in the same way as the REC lamp inside the viewfinder to warn the operator. The brightness when lighted can be selected using the TALLY switch (HIGH or LOW).

@ TALLY switch

This controls the tally lamp .

HIGH: The tally lamp is made brighter.

OFF: The tally lamp is extinguished.

LOW: The tally lamp is made darker.

@ Back tally lamp

This functions in the same way as the tally lamp @ when the back tally switch @ is set to ON.

@ Back tally switch

This controls the back tally lamp .

ON: The back tally lamp operates.

OFF: The back tally lamp does not operate.

WARNING lamp

This flashes or lights when trouble occurs in the VTR section.

@ LIGHT switch

ON: This illuminates the display window .

OFF: This extinguishes the display window illumination.

① Display window

The warnings related to the VTR section, remaining battery level, sound level, time data, etc. are displayed in this window.

Power Supply

Power can be supplied to the unit using a battery pack or AC power supply.

Using a battery pack

1) Panasonic, 2 Anton Bauer or 3) Sony batteries can be used for the battery pack.

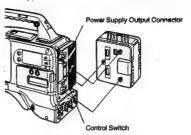
Before using a battery pack, he sure to charge it completely using a battery charger.

See the Handling Instructions for the battery pack and battery charger for a detailed explanation
of charging methods.

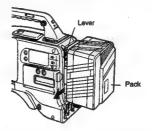
Using an Anton Bauer Battery Pack

1. Mount the battery pack.

Insert the battery pack in the direction of the arrow and then slide it into place.



When detaching the battery, hold down the detachment lever of the battery holder and slide the battery pack in the direction of the arrow.



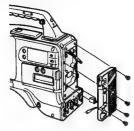
<Note>

The AJ-D800 supports the intelligent battery system and the ultra-light system.

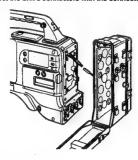
Automatic detection can be performed for intelligent batteries with a remaining battery level of 10% or more. At this time, the remaining battery level is displayed numerically (percentage display) inside the viewfinder. If the power is turned on with a remaining battery level of 10% or less, the voltage is displayed. Also, after intelligent battery detection, the remaining battery level display indicates the level for the intelligent battery even if power is supplied from an external source.

Using the Panasonic AU-BP402 Battery Pack

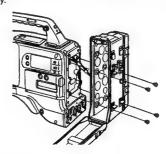
1 Detach the battery mounts.



2 Connect the unit's connectors with the connectors of the AU-M402H battery case.

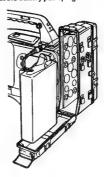


Mount the AU-M402H battery case.
Open the battery case cover and lift up the rubber cap to expose the screw holes. Tighten the screws with a screwdriver and mount the case to the unit. Be sure to tighten the screws com-



- <Notes>
- Do not pull strongly on the rubber cap.
- Take care not to catch the connection cord between the battery case and the main unit.

4 Connect the battery pack plug to the connector inside the case and insert the battery pack.

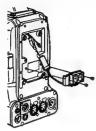


<Note>

The unit's power must be set to OFF before the plug is inserted or removed.

Using a Sony Battery Pack

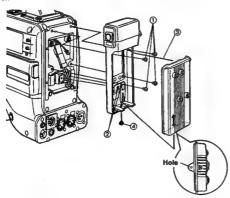
- 1 Remove the battery mounts. See page 24.
- 2 Mount the accessory battery mounting connector.



3 Mount the Sony battery holder.

Mount the battery case with the cover detached first, and then mount the detached cover as shown in the figure.

- 1 Tighten the mounting screws.
- ② Tighten the power supply contact screws.
- 3 Insert the top of the detached cover in the direction of the arrow.
- 4 Align the hole at the bottom (metal part) of the cover with the hole at the bottom of the case and mount the cover to the battery mounting connector with the screw of the battery



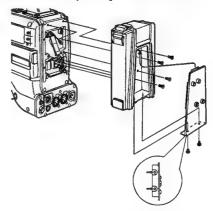
<Note>

Take care when attaching the battery holder that the wires are not pinched.

Using the Sony BP-90 Battery Pack

- 1 Mount the accessory battery mounting connector. (See the preceding page.)
- 2 Mount the BP-90 battery case.

 - Tighten the mounting screws.
 Tighten the power supply contact screws.
 - ③ Insert the top of the detached cover in the direction of the arrow.
 - (a) Align the hole at the bottom (metal part) of the cover with the bottom of the case and mount the cover to the battery mounting connector with the screw.

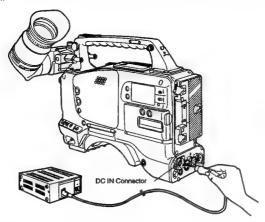


<Notes>

- ●The unit's power must be set to OFF before the plug is inserted or removed.
- Take care when attaching the battery case that the wires are not pinched.

Using an AC Power Supply (When using the AU-B110 AC Adaptor)

1 Connect the unit's EXT DC IN socket with the DC OUT connector of the AU-B110 AC adaptor.



- 2 Set the AC adaptor's power to ON.
- 3 Set the unit's power switch to ON.

<Notes:

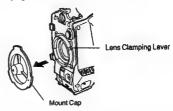
- When using an external power supply other than the AU-B110 AC adaptor, check the pin signal
 of the EXT DC IN socket.
- When both a battery pack and AC adaptor are connected, power is supplied from the AC adaptor.
- When using an AC adaptor, the AC adaptor's power must be set to ON before the unit's POWER switch is set to ON. If this sequence is reversed, the AC adaptor's output voltage will rise slowly and may cause the unit to malfunction.

Pin No.	Signal
1	GND
2, 3	_
4	+12 V

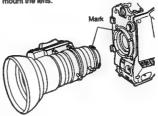


Mounting the Lens

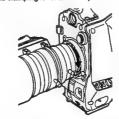
1 Raise the lens clamping lever and remove the mount cap.



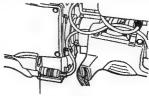
2 Align the indentation at the top centre of the lens mount with the centre mark of the lens and mount the lens.



3 Lower the lens clamping lever and clamp the lens.



4 Press the cable into the cable clamp and connect it to the LENS connector.



LENS Connector

- •See the Handling Instructions provided with the lens for lens handling.
- <Note:

The lens and camera adjustments listed below may be necessary depending on the lens to be mounted.

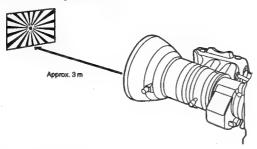
- 1. Lens flanging adjustment
- 2. Lens auto iris adjustment
- 3. Lens white shading adjustment (with this unit)

When images are not clearly focused at both the telephoto and wide-angle positions during zoom operations, adjust the flange back (the distance from the lens mounting surface to the image formation surface).

Once adjusted, the flange back does not need to be readjusted as long as the lens is not changed.

Adjustment method

Check the position of each part of the lens which must be operated in order to adjust the flange back with the lens Handling Instructions.



Adjusting the Flange Back

- 1 Set the lens iris to manual.
- 2 Open the iris. Position the flange back adjustment chart about 3 m from the lens and illuminate it so that an appropriate image output level is obtained.
 If the image level is too high, use the CC/ND filters or the shutter.
- 3 Loosen the Ff ring clamping screw.
- 4 Set the zoom ring to the telephoto position manually or by electric drive.
- 5 Shoot the flange back adjustment chart and turn the distance ring to bring the chart into focus
- 6 Set the zoom ring to the wide-angle position.
- 7 Turn the Ff ring to bring the chart into focus.
 At this time, take care not to move the distance ring.
- 8 Repeat this operation four to seven times until the lens is in focus at both the telephoto and wide-angle positions.
- 9 Firmly tighten the Ff ring clamping screw.
- •Refer to the Operating Instructions of the lens.

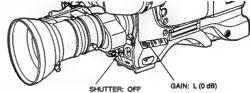
Adjusting the White Shading

Follow the procedure described below if it is necessary to re-adjust the white shading.

White shading adjustment procedure

- Mount a lens to the camera.

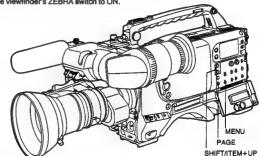
 Be sure to also connect the lens cable.
- 2 Set the electronic shutter to OFF and the gain to L (0 dB).



- 3 if the lens has an extender, remove the extender.
- 4 Set the MENU SET/OFF switch from OFF to SET while holding down the SHIFT/ITEM and UP buttons to open the menu.

Press the PAGE button until the VF OPERATION page appears. Set ZEBRA1 DETECT to 70, ZEBRA2 DETECT to 85 and ZEBRA2 to SPOT. (Initial setting

Return the MENU SET/OFF switch from SET to OFF to close the menu. Set the viewfinder's ZEBRA switch to ON.

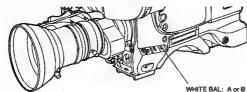


- 5 Shoot an evenly white paper. Flickering occurs easily when fluorescent or mercury lamps, etc. are used for lighting. Therefore, use a light source which does no produce flickering such as sunlight or halogen lamps, etc.
- 6 Set the lens iris to manual and adjust the iris so that the ZEBRA pattern covers the entire screen. If the light strikes the subject in an uneven manner, the ZEBRA pattern will not cover a part of the screen. Therefore, adjust the position of the light source, etc. as necessary.

Check that the lens iris is between F4 to F11. If the lens iris is not within this range, adjust the position of the light source, etc.

(Be sure to set the electronic shutter to OFF.)

7 Set the WHITE BAL selector switch to A or B execute AWB. Next, execute ABB and then execute AWB again.



- 8 Repeat step 6.
- 9 Set the MENU switch from OFF to SET while holding down the SHIFT/ITEM and UP buttons to open the menu.

Press the PAGE button until the AUTO SHADING page appears.

Press the SHIFT/TEM button to move the arrow on the left to the WHITE position and then press the UP or DOWN button.

press the UP or DOWN button.
ACTIVE appears on the viewfinder to indicate that white shading automatic adjustment is operating.

Adjustment is completed when the ACTIVE display disappears.

Return the MENU switch from SET to OFF to close the menu.

10 When the lens to be used has an extender, insert an extender and repeat steps 6 to 9.

This completes white shading adjustment.

The adjustment value is stored in the non-volatile memory, so there is no need to readjust the white shading even if the power for the unit is turned off.

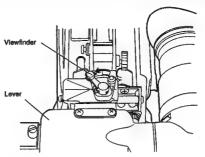
<Notes>

- The white shading can be adjusted for general lenses using the above method. However, this
 method may not apply for extremely special lenses.
- Vertical colouring may occur near the open position of the lens iris even after performing the above adjustments. However, this is characteristic of the optical system of the lens, and does not indicate a malfunction.

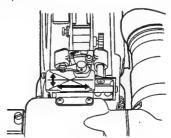
Adjusting the Viewfinder

Adjusting the Position

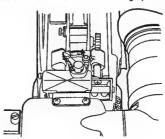
1 Loosen the viewfinder forward-backward/left-right position clamp lever.



2 Adjust the position of the viewfinder in the forward-backward and left-right directions.



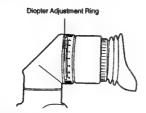
3 Tighten the viewfinder forward-backward/left-right position clamp lever to the locked position.



Adjusting the Diopter and Screen

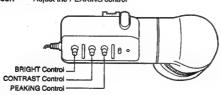
Adjusting the diopter

- 1 Set the POWER switch to ON. A picture will appear in the viewfinder.
- 2 Turn the diopter adjustment ring to adjust the diopter so that the viewfinder picture can be clearly seen.



Adjusting the screen

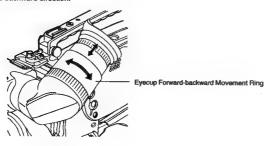
Adjust the condition of the viewfinder screen.
Brightness: Adjust the BRIGHT control
Contour: Adjust the CONTRAST control
Contour: Adjust the PEAKING control



- 1 Set the POWER switch to ON.
- 2 Set the OUTPUT switch to CAM.
- 3 Turn the viewfinder BRIGHT and CONTRAST controls to adjust the picture brightness and contrast. Turning the PEAKING control makes the picture appear softer or sharper. A sharp picture facilitates focusing the lens.

Adjusting the Eyecup Position

Turn the eyecup forward-backward movement ring to adjust the position of the eyecup in the forward-backward direction.



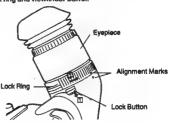
Detaching the Eyecup

Detaching the eyecup allows the entire screen to be seen clearly even when shooting with your eye removed from the viewfinder. This also facilitates the removal of dust which has adhered to the CRT screen and mirror.

<Note>

Absolutely do not wipe the mirror surface as it has been specially treated. Dust which has adhered to the mirror should be blown away with a blower, etc.

- Press the lock button
- 2 Turn the lock ring as far as possible in the counter-clockwise direction and line up the alignment marks on the lock ring and viewfinder barrel.

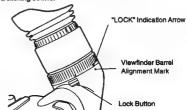


3 Detach the eyecup.



Remounting the eyecup

- 1. Line up the alignment marks on the lock ring and the viewfinder barrel.
- Line up the alignment mark at the tip of the eyepiece (see the illustration for step 2 above) with the alignment marks on the lock ring and the eyecup and insert the eyecup into the barrel.
- Turn the lock ring as far as possible in the clockwise direction and line up the lock ring's "LOCK" indication arrow with the alignment mark on the barrel of the viewfinder.
- 4. The lock button latches with a clicking sound.



Adjusting the Viewfinder

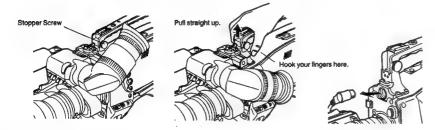
Detaching the Viewfinder

- 1 Check that the POWER switch is set to OFF.
- Disconnect the plug from the viewfinder cable connector.

 Note>

Use both hands to detach the viewfinder. The viewfinder may not detach smoothly with one hand, resulting in damage to the viewfinder.

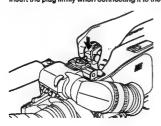
3 Loosen the viewfinder stopper screw and detach the viewfinder by pulling it straight up.

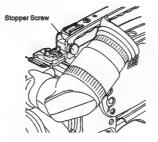


Mounting the Viewfinder

- 1 Press down the viewfinder.
- 2 Tighten the viewfinder stopper screw firmly.
- 3 Connect the plug to the viewfinder connector and secure the viewfinder cable with the clamp.

 <Note>
 Insert the plug firmly when connecting it to the viewfinder connector.





Audio Input Preparations

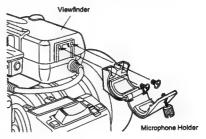
Using the Microphone Mounted to the Main Unit

Using the AJ-MC700P microphone kit (option) or the AJ-MH700P microphone holder (option) allows a microphone to be mounted to the main unit.

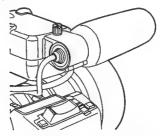
*See the Handling Instructions for the microphone holder.

Using the AJ-MC700P Microphone Kit (Option) Mounted to the Main Unit

Mount the microphone holder.



2 Mount the microphone.



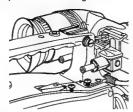
3 Connect the microphone connecting cable to the unit's MIC IN Jack.



Audio Input Preparations

Mounting the AJ-MH700P Microphone Holder (Option)

1 Remove the microphone holder mounting screws.

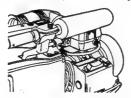


2 Mount the AJ-MH700P microphone adaptor (option) to the main unit.

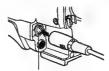


Mount the microphone adaptor using the accessory screws.

3 Mount the microphone to the microphone holder and tighten the screws.



4 Connect the microphone connecting cable to the MIC IN jack.

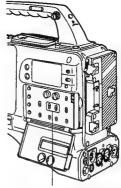


To the MIC IN Connecto

5 Set the AUDIO IN switch to FRONT [MIC] in accordance with the audio channel to be re-

Using the Microphone not Mounted to the Main Unit





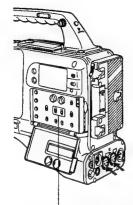
AUDIO IN switch: Set the AUDIO IN switch for the audio channel you wish to record to FRONT [MIC].

<Note>

When extending the microphone, use a cable which supports the phantom power supply type of microphone.

Audio Input Preparations

Using the Microphone not Mounted to the Main Unit



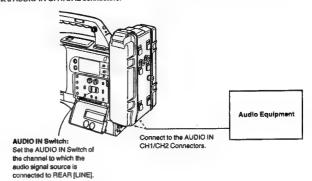
Up to two external microphones can be connected to the AUDIO IN CH17CH2 Connectors.

Phantom power supply type microphones can also be supported by a menu setting.

AUDIO IN Switch: Set the AUDIO IN Switches of the channels to which microphones are connected to REAR [MIC].

Connecting an Audio Component

When using an audio component as the line input signal source, connect the audio component to the unit's AUDIO IN CH1/CH2 connectors.



Mounting the Unit to a Tripod

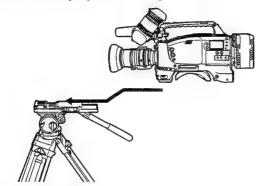
When mounting the unit to a tripod, use an optional tripod attachment.

Mount the tripod attachment to the tripod. Select the attachment hole in consideration of the unit's and tripod attachment's centre of gravity. In addition, check that the diameter of the selected hole matches the diameter of the universal head's camera mounting screw.



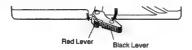


Mount the camera to the tripod attachment.
 Slide the unit forward along the grooves until a clicking sound is heard.



When detaching the tripod attachment

Hold down the red lever and move the black lever in the direction of the arrow.

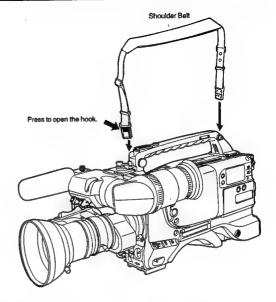


<Note>

When the tripod attachment pin does not return to its original position after the camera has been detached, hold down the red lever and move the black lever in the direction of the arrow again to return the pin to its original position.

Care should be taken as the camera cannot be mounted if the pin remains in the centre.

Mounting the Shoulder Belt



To remove the shoulder belt, open the hooks and then remove the belt.



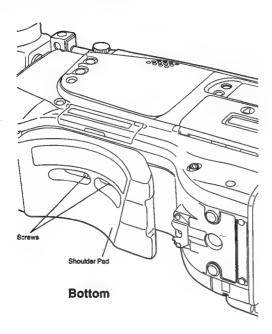
<Note>

When mounting and removing the shoulder belt, press on the top of the hooks to check that the belt is securely mounted.

Adjusting the Shoulder Pad Position

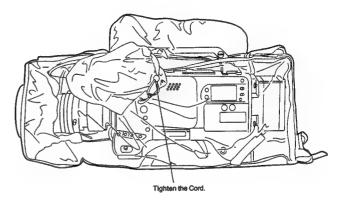
The shoulder pad can be slid up to %" in the forward-backward direction from the centre position (the position when shipped from the factory). Adjust the shoulder pad position to facilitate operation of the unit.

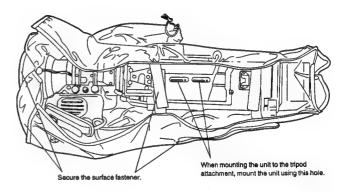
- 1 Loosen the two screws.
- 2 Slide the pad in the forward-backward direction to select an appropriate position.
- 3 Tighten the screws to clamp the pad.



Attaching the Rain Cover

Attach the rain cover as shown in the figure below.





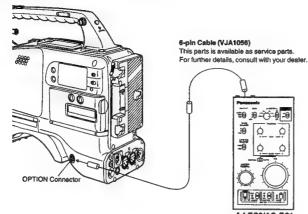
Connecting the AJ-EC2/AQ-EC1 Extension Control Unit (Option)

Connecting the AJ-EC2/AQ-EC1 extension control unit (option) allows a portion of the camera section functions to be operated by remote control.

When the AJ-EC2/AQ-EC1 is connected and the POWER switches of the unit and AJ-EC2/AQ-EC1 are set to ON, the unit automatically enters remote control mode.

The handling instructions included with the AJ-EC2/AQ-EC1 describe operations for when the AJ-EC2/AQ-EC1 is connected to an AQ series digital camera.

When the AJ-EC2/AQ-EC1 is connected to the AJ-D800, some functions differ, and some features cannot be used.



AJ-EC2/AQ-EC1
AQ-EC1 is not available in European market.
For further details, consult with your dealer.

<Notes>

- The POWER switches of the unit and AJ-EC2/AQ-EC1 must be set to OFF before the 6-pin cable is connected or disconnected.
- All adjustments and settings made using the switches and controls other than the menu setting section of the AJ-EC2/AQ-EC1 are erased when the unit's POWER switch is set to OFF. Also, adjustments and settings made using the AJ-EC2/AQ-EC1 cannot be written to setup cards.
 However, when the AJ-EC2/AQ-EC1 is connected again, these settings return to the AJ-EC2/AQ-EC1 settings.

(Menu contents set with the menu setting section are saved.)

<Note>

The functions of the AJ-EC2/AQ-EC1 are limited as follows.

The STORE switch does not function.

(If the menu settings are changed while the AJ-EC2/AQ-EC1 is connected to the AJ-D800, the new menu settings are saved automatically as soon as the changes are made.)

Note that the AJ-EC2/AQ-EC1 gain switch displays -3, 0 and III correspond to L, M and H, and the OUTPUT switch settings CAMERA, TEST and BAR to CAM/AUTO KNEE ON, CAM/AUTO KNEE OFF and BAR for each main unit.

- The Synchro scan and Super V modes cannot be used while the AJ-EC2/AQ-EC1 is connected to the unit.
- The lens iris (IRIS) control of the AJ-EC2/AQ-EC1 is valid only when the lens iris AUTO/ MANUAL selector is set to AUTO.

Warning/Status Displays in the Viewfinder and Display Window

Displaying the Setting Menu Inside the Viewfinder

When the MENU SET/OFF switch is set to SET, the setting menu appears on the viewfinder screen. The setting menu is displayed in page units. The following table lists all pages contained in the setting menu as well as an outline of the functions for each page.

The setting menu configuration can be changed according to the purpose.

Setting Menu Configuration

Page No.	Page name	Function outline	Reference
58	MARKER	Marker settings	Setting the Marker Displays
56	VF DISPLAY	Selection of viewfinder screen displays	Setting Display Items
59	CAMERA ID	Camera ID display settings	Setting the Camera ID Display
72	SHUTTER SPEED	Shutter speed/mode settings	Setting the Electronic Shutter
73	SYNCHRO SCAN	Synchro scan shutter speed settings	Setting the Electronic Shutter
52	ILED	I lamp display settings	Setting the ! Lamp Display
81-82	SET UP CARD	Setup card	Setup card operations
107	MAIN FUNCTION	Used function settings	
108-110	FUNCTION 1/5 to 5/5	Used function settings	Selecting Functions
62	TIME DATE	Time and date settings	Selecting Functions
64	SETTING LOW/MID/ HIGH	Camera settings	Selecting Functions
115–119	LEVEL 1/6 to 6/6	Camera settings	Recording Adjustments
120	VF OPERATION	Viewfinder operations	Viewfinder
121	LENS ADJ	Lens adjustments	Lens
121-123	MENU SELECT 1/3 to 3/3	User menu ON/OFF settings	User Menu
124	AUTO SHADING	Automatic shading adjustments	Shading
50 124	DATA RESET	Resetting the setting menu	Returning to the default settings
124	DIAGNOSTIC	_	

See the corresponding pages for a detailed description of each page's functions.

Warning/Status Displays in the Viewfinder and Display Window

Changing the setting menu configuration

The setting menu can be configured by selecting only the pages necessary for the application. Pages are selected using the MENU SELECT page of the engineer menu mode.

When using the engineer menu, switch the unit to engineer mode as described below.

The unit is switched to user mode by setting the MENU SET/OFF switch to "SET".

The unit is switched to engineer mode by holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU SET/OFF switch to SET.

The user and engineer modes differ as follows.

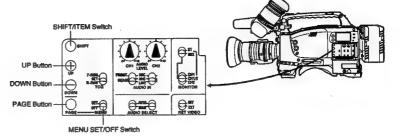
User mode: Only the selected pages the setting menu can be used. The data set on each page is written to the non-volatile memory, allowing it to be stored for extended periods of time.

Engineer mode: All pages contained in the setting menu can be used. In addition, the data set at each page is written to the non-volatile memory, allowing it to be stored for extended periods of time.

After completing the adjustments and settings with engineer mode, configuring a menu consisting only of frequently used pages allows the necessary pages to be called quickly.

Basic Setting Menu Operations

The setting menu is operated using the MENU SET/OFF switch and the SHIFT/ITEM, UP, DOWN and PAGE buttons.



Displaying the setting menu

1 Set the MENU SET/OFF switch to SET.

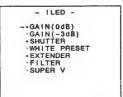
The status displays at the top and bottom of the viewfinder screen disappear, and the page on which the previous setting menu operations were completed appears. When the menu is used for the first time, the first of the selected pages appears.



Changing the page

1 Press the PAGE button.

The menu page changes each time the PAGE button is pressed.



The page can also be changed using the UP and DOWN buttons as follows.

The menu page is incremented continuously while the UP and PAGE buttons

are held down.

•PAGE+DOWN: The menu page is decremented continuously while the DOWN and PAGE

buttons are held down.

Warning/Status Displays in the Viewfinder and Display Window

Selecting the desired item

1 Press the SHIFT/ITEM switch.

Each time this button is pressed, the cursor (arrow) which indicates the selected item moves to the next item.



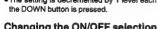
The item can also be selected using the UP and DOWN buttons as follows.

Changing the settings

Press the UP button to increase the setting.

The setting is incremented by 1 level each time the UP button in pressed. Press the DOWN button to decrease the setting.

The setting is decremented by 1 level each time



Changing the ON/OFF selection

The setting switches to ON or OFF each time the UP (or DOWN) button is pressed.

Returning to the default settings

The unit can be returned to the default settings (the settings when shipped from the factory or the engineer mode settings) by pressing the UP (or DOWN) button at the DATA RESET page of engi-

However, care should be taken as the flare and shading adjustment values cannot be returned to the default settings.

Quitting the menu

Set the MENU SET/OFF switch to OFF.

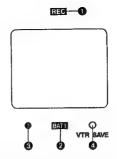
The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

*Engineer mode

The menu for this mode is opened by holding down the SHIFT/ITEM and UP buttons simultaneously and then setting the MENU SET/OFF switch to the "SET" position.

Lamp Displays Inside the Viewfinder

The viewfinder displays are as follows.



1. REC (recording) lamp

This lamp lights (red) during recording, and flashes when warnings are issued.

•See "Warning System" (page 125) for a detailed description.

2. BATT (battery) lamp

When the battery voltage has dropped, this lamp begins flashing several minutes before the unit can no longer be operated, and lights when the unit can no longer be operated. To prevent operation from being interrupted, exchange the battery quickly before the battery runs out.

3. I (Irregular operation status warning) lamp

This lamp lights when the unit enters irregular operation status for any of the items set to ON at the I LED page of the setting menu. Applicable items are as follows.

Setting item	Setting contents
Gain (0 dB)	The gain is set to a value other than 0 dB.
Gain (-3 dB)	The gain is set to a value other than -3 dB.
SHUTTER switch	The switch is set to ON.
WHITE PRESET switch	The switch is set to PRESET.
Lens extender	The lens extender is being used.
Filter control	The control is set to a value other than 1.
SUPER V switch	The switch is set to ON.

•See "Setting the ! Lamp Display" (next page) for selecting ! lamp display items.

4. VTR SAVE (VTR power saving) lamp

This lamp lights when the VTR SAVE/STBY switch is set to SAVE. It is not lighted during re-

Regardless of the VTR SAVE/STBY switch, the unit automatically enters the SAVE state and the lamp lights either after two minutes when in the stopped state, or after the length of time set for the pause timer (the pause time) when in the paused state.

Lamp Displays Inside the Viewfinder

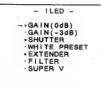
Setting the ! Lamp Display

Items subject to I lamp display are selected at the ! LED page of the setting menu. (When shipped from the factory, the unit is set so that the ! LED page is not displayed.) To operate the ! LED page, switch the unit to engineer mode or select the ! LED page at the MENU SELECT page.

•See "Setting Menu Configuration" (page 47) for engineer mode and selection of displayed pages.

Set the MENU SET/OFF switch to SET. The setting status displays disappear from the viewfinder screen, and the page on which the previous setting menu operations were completed appears. (When the menu is used for the first time, the first page appears.)

2 Press the PAGE button until the ! LED page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN buttons.)



·GAIN (-3 dB):

<Note> ·: ON ·: OFF

→·GAIN (0 dB): This selects whether or not the ! lamp lights when the gain is set to

any value other than 0 dB.

This selects whether or not the I lamp lights when the gain is set to

any value other than -3 dB.

·SHUTTER: This selects whether or not the ! lamp lights when the SHUTTER

switch is set to ON.

This selects whether or not the I lamp lights when the white balance WHITE PRESET:

memory channel is PRST.

·EXTENDER: This selects whether or not the ! lamp lights when the lens is in EX-

TENDER mode.

·FILTER: This selects whether or not the ! lamp lights when the filter is set to

any value other than 3200K.

·SUPER V: This selects whether or not the ! lamp lights when SUPER V is set to

- Repeatedly press the SHIFT/ITEM button to move the cursor to the position of the desired
- 4 Press the UP and DOWN buttons to choose I lamp lighted/not lighted for the selected item. To select ON: Press the UP button. An asterix (*) appears to the left of the item name. To select OFF: Press the DOWN button. A period (-) appears to the left of the item name. Repeat steps 3 and 4 to continue making ON/OFF settings for other items.
- 5 When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewlinder screen.

Status Displays Inside the Viewfinder Screen

In addition to images, messages indicating the unit's settings and operating status appear on the viewfinder screen. The centre marker and safety zone marker, etc. are also displayed.

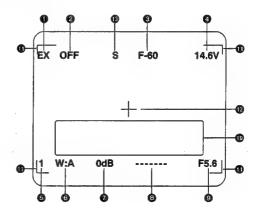
When the MENU SET/OFF switch is set to OFF, items set to SET at the VF DISPLAY page of the setting menu and using related switches appear at the top and bottom of the screen.

Messages informing of the setting contents or oil the adjustment course or results can also be displayed for approximately 3 seconds when settings are changed, during the course of adjustments, or after adjustments have been completed.

•See "Selecting Display Items" (page 56) for selecting display items, "Display Mode and Setting Change Message" (page 57) for the setting change message, and "Setting the Marker Displays" (page 58) for the marker displays.

The display positions of all items which can be displayed are shown in the figure below.

- 1. Extender display
- 2. Shutter speed/mode display
- 3. Remaining tape length display
- 4. Remaining battery level display
- 5. Filter display
- 6. White balance memory display
- 7. Gain value display
- 8. Audio level display
- 9. Iris value display
- 10. Warning display
- 11. Safety zone marker
- 12. Centre marker
- 13. Super iris ON display



Status Displays Inside the Viewfinder Screen

1 Extender display

This is displayed when the lens extender is being used.

2 Shutter speed/mode display

This displays the shutter speed or shutter mode setting.

OFF: The shutter is not used.

1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000:

Shutter speeds (seconds) during standard mode.

1/29.9-1/252 (SYNCHRO SCAN):

Synchro scan mode is selected.

SUPER V:

High vertical resolution mode is selected.

3 Remaining tape length display

This indicates the remaining tape length (minutes) for the VTR during recording.

Remaining tape length display

Display	Remaining tape length
F-60	Full to 60 minutes
6055	60 to 55 minutes
55-50	55 to 50 minutes
50-45	50 to 45 minutes
4540	45 to 40 minutes
40-35	40 to 35 minutes
35-30	35 to 30 minutes
30-25	30 to 25 minutes
25-20	25 to 20 minutes
20-15	20 to 15 minutes
15-10	15 to 10 minutes
10-5	10 to 5 minutes
5-0	5 to 0 minutes

The "5--0" display flashes when there is less than 3 minutes of tape remaining.

4 Remaining battery level display

When an Anton Bauer Digital Magnum Series battery is used to supply power to the unit, the remaining battery level is displayed numerically (%).

5 Filter display

This displays the type of filter selected.

6 White balance memory display

This displays the selected white balance automatic adjustment memory.

- A: The WHITE BAL switch ill set to A.
- B: The WHITE BAL switch is set to B.
- P: The WHITE BAL switch is set to PRST.

7 Gain value display

This displays the image amplifier gain setting (dB) set by the GAIN switch.

<Note>

When using an Anton Bauer Digital Magnum Series battery, the remaining battery level display continues to display the level for the Anton Bauer battery even if power supply is switched to an external power source near the end of the battery's power. However, note that the unit operates according to the external power source.

8 Audio level display

This displays the audio CH1 level.

During sine wave input, the audio level display corresponds roughly to the VTR level meter display as follows.

Audio Chennel 1 Level Display

VTR Level Meter -40 -30 -25 -20 -15 -8 0

9 Iris value display

This displays the approximate iris setting (F number).

10 Warning display

This displays the black balance, white balance, auto knee function, super iris, super high gain and other warning displays.

11 Safety zone marker

This indicates the 80% or 90% (setting when shipped from the factory) range for the viewfinder screen area. The screen area percentage is selected at the MARKER page of the setting menu.

•See "Setting the Marker Displays" (page 58) for a detailed description.

12 Centre marker

This indicates the centre of the viewfinder screen. This marker is displayed when set to ON at the MARKER page of the setting menu.

13 Super Iris ON display

This indicates that the super iris is ON.

i) Iris value display

The iris value is displayed when using a lens with the Iris value display function.

Status Displays Inside the Viewfinder Screen

Selecting Display Items

The items to be displayed on the viewfinder screen can be selected by switching the display ON/ OFF setting independently for each item at the VF DISPLAY page. The items which can be selected are as follows.

- Display mode (See "Display Mode and Setting Change/Adjustment Course Message".)
- Extender display
- Shutter speed/mode display
- Remaining tape length display
- Remaining battery level display
- Filter display
- White balance memory display
- Gain value display
- Level meter display
- Iris value/super iris ON status display
- Camera ID display
- The camera ID is displayed when recording the colour bar according to the OUTPUT/AUTO KNEE switch setting. See "Setting the Camera ID" (page 59) for a detailed description.

Select the items to be displayed on the viewfinder screen.

1 Set the MENU SET/OFF switch to SET.

The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first page appears.)

Press the PAGE button until the VF DISPLAY page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)

Display mode	- VF DISPLAY -
Extender display	
Shutter speed/mode display	EXTENDER : ON
Remaining tape length display	SHUTTER : ON
Remaining battery level display	TAPE :ON BATTERY :ON
Filter display	FILTER ON
White balance memory display	WHITE ON
Gain value display	GAIN ON
Level meter display	LEVEL METER: ON
Iris value/super iris ON status display	IRIS :S+IRIS
Camera ID display	CAMERA ID :ON

- 3 Press the SHIFT/ITEM button to move the cursor to the position of the desired item.
- 4 Press the UP and DOWN buttons to choose whether to display (ON) or not display (OFF) the selected item on the viewfinder screen.

The setting switches to ON or OFF each time the UP (or DOWN) button iii pressed. Repeat steps 3 and 4 when setting display ON/OFF for other items.

When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the settings of the selected items appear.

Display Mode and Setting Change Message

Messages informing of the contents of changed settings and adjustment results can be limited to part of the displayed items or not displayed for all items.

The conditions under which messages are displayed and the corresponding display modes are shown in the table below.

Setting change/adjustment results messages and display modes

Conditions under which	Message	Display mode setting		
messages are displayed			2	3
When the filter selection is changed.	ND: n (n=1, 2, 3, 4)	×	×	0
When the gain setting is changed.	GAIN: n dB (n=-3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 30)	×	×	0
When the WHITE BAL switch setting is changed.	WHITE: n (n=ACH, BCH, PRESET)	×	×	0
When the OUTPUT/AUTO KNEE switch is set to AUTO KNEE or OFF*)	AUTO KNEE: ON (or OFF)	×	0	0
When the shutter speed/mode setting is changed.	SS: 1/60 (or 1/120, 1/250, 1/500, 1/1000, 1/2000, S. SCAN, SUPER V)	×	0	0
When the white balance is adjusted (AWB)	Ex.) AWB: OK See "Adjusting the White Balance" (page 66) for a detailed description.	×	0	0
When the black balance is adjusted (ABB)	Ex.) ABB: OK •See "Adjusting the Black Balance" (page 69) for a detailed description.	×	0	0

O: Message displayed

x: Message not displayed

[&]quot;) The message is displayed for approximately 3 seconds immediately after the power for the unit is turned on.

Status Displays Inside the Viewfinder Screen

Changing the Display Mode

The display mode setting appears on the VF DISPLAY page of the setting menu.

- 1 Perform the operations in steps 1 to 3 of "Selecting Display Items" (page 56) to display the VF DISPLAY page of the setting menu on the viewfinder screen and align the cursor with the DISP MODE item.
- 2 Press the UP or DOWN button to select the desired display mode.
- 3 When menu operations have been completed, set the MENU SET/OFF switch to OFF.

Setting the Marker Displays

Display ON/OFF switching for the centre and safety zone markers and selection of 80% or 90% of the screen area as the safety marker range are performed at the MARKER page of the setting menu.

- 1 Set the MENU SET/OFF switch to SET.
 The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first page appears.)
- Press the PAGE button until the MARKER page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)



- 3 Press the SHIFT/ITEM button to move the cursor to the position of the desired item.
- 4 The setting switches to ON or OFF each time the UP (or DOWN) button is pressed.
- When menu operations have been completed, set the MENU SET/OFF switch to OFF.
 The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

Setting the Camera ID

The camera ID can be set at the CAMERA ID page of the setting menu.

A camera ID of up to ten characters including English letters, symbols and spaces can be used. The camera ID is output when the OUTPUT/AUTO KNEE switch is set to BARS and the colour bar signal is being recorded.

<Note:

When the setting menu is displayed, the camera ID is not displayed even if the colour bar signal is output.

- 1 Set the MENU SET/OFF switch to SET.
 - The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first page appears.)
- Press the PAGE button until the CAMERA 1D page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)



- : The cursor is moved to the right (max. 10 spaces) by the
- SHIFT/ITEM button.
- : English letters, symbols and space are switched by the UP and DOWN buttons.

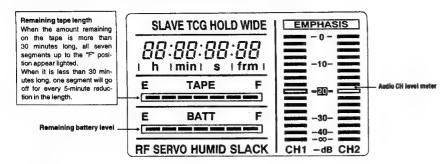
Camera ID

("-" indicates a space. This indication ill only used at this menu page.)

- 3 Press the UP (or DOWN) button until the desired character appears.
 Each time the UP button is pressed, the character display changes in the order of English letters (A to 2)→numbers (0 to 9)→symbols [space, >, <,), (、', ', -, _, ~, /, I]. Pressing the DOWN button changes the character display in the reverse order.
- 4 Press the SHIFT/ITEM button to advance the cursor to the next position and return to step 3 to set the characters.
- When menu operations have been completed, set the MENU SET/OFF switch to OFF.
 The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

Displays

Remaining Battery Level and Audio Level Displays



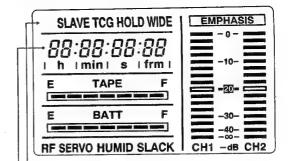
VTR Section Operation/Status-Related Displays



HUMID: Lights when condensation occurs on the head drum. SLACK: Lights when tape wind-up trouble occurs.

See "Warning System" (page 125) for a detailed description.

Time Code-Related Displays



These tamps light in indicate the time code, CTL and real time displays.

SLAVE: This lamp lights when the time code is locked to an external source.

HOLD: This lamp lights when the time code generator is held (when the HOLD button is pressed).

Time counter display: This displays the time code, CTL, user bit and real time. •See below for the relationship between displayed items and switch settings.

Relationship between the TCG and DISPLAY switch setting positions and the time counter

The item displayed in the time counter display is determined by the TCG switch and DISPLAY switch settings.

Time code-related switch settings and display items

TCG switch position	DISPLAY switch position	Displayed item	
	TC or CTL	Time code	
SET	UB	User bit	
F-RUN or R-RUN	CTL	CTL	
	TC	Time code	
	UB	User bit	

Adjusting the Time and Date

Adjustment and setup using the setting menu

 Hold down the SHIFT/ITEM and UP buttons and set the MENU SET/OFF switch to SET. The unit switches to ENG mode.

The page on which the previous setting menu operations were completed appears on the viewfinder screen.

(When the menu is used for the first time, the first page appears.)

Press the PAGE button until the TIME/DATE page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)



- 3. Press the SHIFT/ITEM button to select the item to be changed.
- Press the UP (or DOWN) button to change the setting value.
 The number is incremented by +1 each time the UP button is pressed and decremented by -1 each time the DOWN button is pressed.



When the settings have been completed, press the SHIFT/ITEM button to select TIME/DATE SET and then press the UP (or DOWN) button. The time starts from when the button is pressed.



6. When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewlinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewlinder screen.

<Note>

The seconds cannot be set and always start from 0 seconds.

Adjustments and Setup During Recording

Adjustments and Setup Using the Setting Menu

Adjustments and setup operations during recording are performed at the setting menu. Setting menu operations are basically performed according to the procedures described on page 49.

However, these procedures vary slightly according to the item.

Items which can be adjusted or set up at the setting menu are as follows.

Adjustment/setup items at the setting menu

Adjustment/setup item	Page name	Operation reference	
Setting the gain selector value	SETTING (LOW/MID/HIGH)	Setting the Gain Selector Value, Setting the DTL and gamma, etc.	
Selecting the shutter speed/mode to be used	SHUTTER SPEED	Setting the Electronic Shutter	
Setting the synchro scan mode shutter speed	SYNCHRO SCAN	Setting the Electronic Shutter	
Selecting required functions	FUNCTION 1/5 to 5/5	Selecting Functions	
Shading adjustment	AUTO SHADING	Shading Adjustment	
Setup card data operations	SET UP CARD	Setup Card Operations	

Adjustments and Setup During Recording

Setting the Gain Selector Value

When shooting in locations without sufficient brightness, bright images can be obtained by raising the gain. However, care should be taken as raising the gain also increases the noise.

The gain value for the image amplifier is selected by the GAIN switch. The gain values corresponding to the L, M and H positions of the GAIN switch are set at the MASTER GAIN page of the setting menu.

Setting the gain selector value

1 Set the MENU SET/OFF switch to SET. The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first page appears.)

2 Press the PAGE button to display the SETTING (LOW/MID/HIGH) page shown below. (This operation can also be performed using the PAGE+UP/DOWN function.)

- LOW SETTING --MASTER GAIN : 0dB
H.DTL LEVEL :13
Y.DTL LEVEL :10
DTL CORING :03
H.DTL FREQ :03
DARK DTL :00
LEVEL DEPEND :01
MASTER GAMMA :0.47
BLACK STRETCH:OFF
MATRIX TABLE :A

- 3 Press the SHIFT/ITEM button repeately to move the cursor to the MASTER GAIN position.
- 4 Press the UP or DOWN button to set the gain value. The gain value can be set freely regardless of size from among -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB.

When resetting the gain values to the settings when shipped from the factory (LOW=0 dB, MID=9 dB, HIGH=18 dB), select MENU INIT. at the DATA RESET page of the setting menu and press the UP or DOWN button.

When menu operations have been completed, set the MENU SET/OFF switch to OFF.
The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

Selecting Functions

VTR operation functions can be selected itt the FUNCTION 3/5 page of the setting menu.

Selecting the required functions

- 1 Set the MENU SET/OFF switch to SET. The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first page appears.)
- Press the PAGE button to display the FUNCTION 3/5 page. (This operation can also be performed using the PAGE+UP/DOWN function.)



- 3 Press the SHIFT/ITEM button to move the cursor to the position of the function to be changed.
- Press the UP (or DOWN) button to change the setting of the selected function. If settings for other functions are also to be changed, return to step 3.
- When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

Adjusting the White Balance/Black Balance

Adjusting the White Balance

Adjusting the white balance and black balance in the order of AWB (white balance adjustment)—ABB (black balance adjustment)—AWB will provide a better picture.

Normally, the white balance and black balance do not need to be readjusted even if the power is turned off and then on again.

However, the white balance must be readjusted when the lighting conditions change.

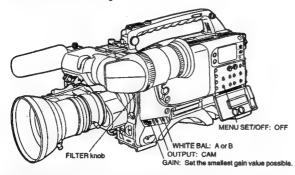
- If black balance and white balance adjustments are started when the display mode is set to "2" or "3", messages informing of the adjustment course and results will appear on the viewfinder screen. Set the display mode to "1" to not display these messages.
- See "Display Mode and Setting Change Message" (page 57) for a description of setting the display mode.

<Notes>

- eThe white balance and black balance cannot be adjusted while the setting menu appears on the viewfinder screen. Therefore, be sure to set the MENU SET/OFF switch ™ OFF.
- •ABB must be executed again when the MASTER GAIN values on the LOW SETTING, MID SETTING and HIGH SETTING pages of the setting menu are changed, the S IRIS SW item is set to +30 dB at the FUNCTION 2/5 page of the setting menu, or the GAMMA (ON/OFF) item is switched at the FUNCTION 1/5 page of the setting menu.
- •With artificial lights, particularly with fluorescent lights and mercury-arc lamps, the strength of the R. I3 and B colours changes in synchronization with the power line frequency even if the brightness of these lights appears to be constant. Especially in areas where the power line frequency is 60 Hz, the vertical synchronizing frequency (approx. 50 Hz) of the TV and the frequency (60 Hz) of the lighting tend to interact. This gives rise to flicker and to a phenomenon where the hue changes along with the passage of time, and it is it impossible to obtain the proper white balance.

These phenomena can be reduced by setting the shutter speed to 1/60. For this reason, wherever the unit is used under fluorescent or mercury-arc lamps and at a frequency of 60 Hz, the shutter speed must be set to 1/60 and the white balance obtained. This shutter speed of 1/60 should also be used during shooting.

1 Set the switches as shown in the figure.

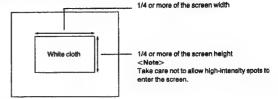


If the settings of the GAIN and WHITE BAL switches are changed, a message informing of the new setting will appear for about 3 seconds at the setting change message display position on the viewfinder screen. (However, the message appears only when the display mode is set to "3".)

- 2 Select the FILTER knob setting in accordance with the lighting conditions.
 - See FILTER knob (page 15) in the Shooting (Recording)/Playback Function Section for examples of FILTER knob settings. If the setting of the FILTER knob is changed, a message informing of the new setting will appear for about 3 seconds at the setting change message display position on the viewfinder screen. (However, the message appears only when the display mode is set to "3".)

3 Place the white pattern over a location with the same conditions as the light source illuminating the subject and zoom up to project white on the screen.

A white object (white cloth, white wall) near the subject can also be used. The white area required is as shown below.



- 4 Adjust the iris of the lens.
- Press the AUTO W/B BAL switch to the WHT side and release the switch. The switch returns to the centre and the white balance is automatically adjusted.

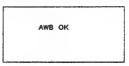


6 During the adjustment, the following message appears on the viewlinder screen. (However, the message appears only when the display mode is set to "2" or "3".)



Message during adjustment

Adjustment is completed after approximately 1 second (the following message appears) and the adjustment value is automatically stored in the memory (A or B) selected in step 1.



Message after adjustment is completed

<Note>

If a lens equipped with the automatic iris function is used, the iris may experience hunting1). In these cases, adjust the iris gain knob (the knob marked IG, IS, S, etc.) on the lens.

•See the Handling Instructions for the lens for a detailed description.

¹⁾ Hunting: The auto iris responds repeatedly causing the image to become darker and brighter.

Adjusting the White Balance/Black Balance

When the White Balance Cannot be Automatically Adjusted

An error message will appear on the viewfinder screen.

(The message appears when the display mode is set to "2" or "3".)

The displayed messages are as follows.

Error messages related to white balance adjustment

Error message	Meaning	Treatment	
COLOUR TEMP. HIGH	The colour temperature is too high.	Select an appropriate filter.	
COLOUR TEMP. LOW	The colour temperature is too low.	Select an appropriate filter.	
LOW LIGHT	There is insufficient illumination.	Increase the illumination or gain.	
LEVEL OVER	There is too much illumination.	Decrease the illumination or gain.	

If the above error messages appear, carry out the respective treatment attempt to adjust the white balance again.

If the error message continues to appear even after repeated attempts, consult your dealer.

<Note>

The white balance cannot be adjusted white the setting menu is displayed on the viewlinder screen. Therefore, be sure to set the MENU SET/OFF switch to OFF.

When there is no Time to Adjust the White Balance

Set the WHITE BAL switch to PRST.

The white balance for the filter is automatically adjusted according to the setting position of the FILTER knob (outside).

White balance memories

The white balance has two memory systems: A and B.

Adjustment values for each filter can automatically be stored in the memory corresponding to the setting (A or B) of the WHITE BAL switch. The unit contains 4 filters, making a total of 8 (4×2) adjustment values which can be stored.

If FILTER INH on the FUNCTION 2/5 page of the setting menu is set to ON, the A and B systems can be limited to one memory each.

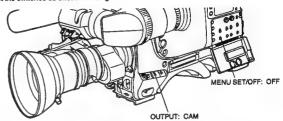
In this case, the memory contents are not linked to the filters.

The black balance must be adjusted in the following cases.

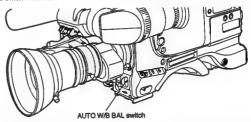
- •When the unit is used for the first time
- •When the unit is first used after an extended period of non-use
- When the unit is used under conditions where the ambient temperature has changed by a wide margin
- •When the gain selector value is changed
- When the SUPER IRIS button setting is changed (when setting is changed to +30 dB)
- •When the gamma ON/OFF is changed

Adjusting the Black Balance

1 Set the switches as shown in the figure.



Press the AUTO W/B BAL switch to the ABB side and then release the switch. The switch returns to the centre and the black balance is automatically adjusted.



3 During the adjustment, the following message will appear on the viewfinder screen. (However, the message appears only when the display mode is set to "2" or "3".)



Message during adjustment

•The lens iris automatically goes to the "CLOSE" position during the adjustment.

Adjusting the White Balance/Black Balance

4 Adjustment is completed after a few seconds (the following message appears) and the adjustment value is automatically stored in the memory.



Message after adjustment ili completed

<Notes>

- Check that the lens connector is connected and that the iris of the lens is set to CLOSE.
- During black balance adjustment, the iris automatically goes to the shaded status.
- During black batance adjustment, the gain selector circuit switches automatically.
 In addition, flicker and noise may appear on the viewfinder screen, but this does not indicate a malfunction.
- The black balance cannot be adjusted while the setting menu is displayed on the viewfinder screen. Therefore, be sure to set the MENU SET/OFF switch to OFF.
- If black shading is not satisfactory even when ABB is OK, open the AUTO SHADING page of the setting menu and execute black shading adjustment. (See page 124.)

Setting the Electronic Shutter

Shutter Modes

The shutter modes which can be used with the unit's electronic shutter and the shutter speeds which can be selected are as follows.

Shutter modes and shutter speeds which can be selected

Mode	Shutter speed	Application
Standard	1/60, 1/120, 1/250, 1/500, 1/1000 and 1/2000 (seconds)	This mode is used to shoot clear images of quickly moving subjects.
SYNCHRO SCAN	248 steps in the range from 50.5 Hz to 252 Hz	This mode is used to reduce horizontal stripe patterns for monitor screens with a vertical scanning frequency of 50 Hz or more.
SUPERV		This mode is used to increase the vertical resolution.

<Notes>

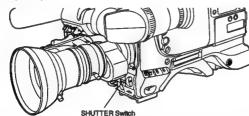
- Increasing the shutter speed lowers the camera sensitivity regardless of electronic shutter mode.
- •If the iris is set to AUTO, the iris opens and the depth of the focuses decreases as the shutter speed rises.

Setting the Electronic Shutter

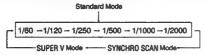
Setting the Shutter Mode/Speed

- •The shutter speed during shutter mode and standard mode is set by the SHUTTER switch.
- •During SYNCHRO SCAN mode, the shutter speed can be set beforehand at the SYNCHRO SCAN page of the setting menu. The shutter speed can also be set by the UP and DOWN buttons during SYNCHRO SCAN mode. (In addition, if S. SCAN SEL on the FUNCTION 2/5 page of the setting menu is set to ON, the shutter speed can also be varied by the SUPER IRIS and MODE CHECK switches on the side panel. However, note that the SUPER IRIS and MODE CHECK functions do not operate at this time.)
- The shutter speed selection range can be limited to the required range and whether to use special operation modes (SYNCHRO SCAN or SUPER V) can be selected at the SHUTTER SPEED page of the setting menu.
- Perform the operations outlined in "Changing the Display Mode" (page 58) and set the display mode to "2" or "3" at the VF DISPLAY page of the setting menu.
- 2 Press the SHUTTER switch from the ON position to the SEL side. The current shutter setting appears in the setting change message display position on the viewfinder screen.

Ex.: 1/120, 1/50.5, etc.



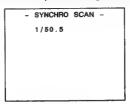
3 Press the SHUTTER switch to the SEL side repeatedly until the desired mode or speed appears. When all modes and speeds can be displayed, the display changes in the order shown below. If the required shutter speeds and modes have been designated beforehand, only the designated speeds or modes appear.



 When the unit is shipped from the factory, SUPER V mode is not specified and is therefore not displayed.

Setting the Synchro Scan Mode

- 1 Set the MENU SET/OFF switch to SET. The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first page appears.)
- 2 Press the PAGE button repeatedly until the SYNCHRO SCAN page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)



- 3 Press the UP (the value increases) or DOWN (the value decreases) button repeatedly to display the desired frequency. The frequency can be switched continuously within the range of 50.5 Hz to 252.0 Hz.
- When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.
 (If S. SCAN MODE SEL on the FUNCTION 2/5 page of the setting menu is set to ON, the shutter speed can be varied by the SUPER IRIS and MODE CHECK switches. However, care should be taken at this time as the SUPER IRIS and MODE CHECK functions cannot be operated only during SYNCHRO SCAN mode.)

Setting the Electronic Shutter

Changing the Shutter Speed/Mode Selection Range

The shutter speed selection range can be limited to the required range and whether to use a special operation mode can be selected at the SHUTTER SPEED page of the setting menu. The unit is set so that the SHUTTER SPEED page is not displayed when shipped from the factory. To operate the SHUTTER SPEED page, switch the unit to engineer mode or select the SHUTTER SPEED page at the MENU SELECT page beforehand.

- 1 Set the MENU SET/OFF switch to SET. The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first page appears.)
- Press the PAGE button repeatedly until the SHUTTER SPEED page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)

- SHUTTER SPEED --SYNCHRO SCAN
-SUPER V
-1/50
-1/120
-1/250
-1/500
-1/1000
-1/2000

<Note>

The ON/OFF status for each item is indicated by displaying an asterix (*) or period (·) in front of the item on the screen.

- 3 Press the SHIFT/ITEM button repeatedly to move the cursor to the position of the mode or shutter speed to be set.
- 4 The selected mode or speed changes from used (ON) to not used (OFF) and vice versa each time the UP (or DOWN) button is pressed.
- When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

<Note>

When operating the unit from the AJ-EC2/AQ-EC1 extension control unit (option), even if the SHUTTER SPEED page is operated from the unit, the switches of the AJ-EC2/AQ-EC1 have priority regarding the actual shutter speed.

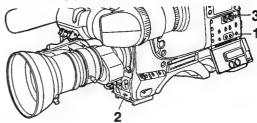
 See "Setting Menu Configuration" (page 47) for a description of engineering mode and selecting display pages.

Changing the Iris Automatic Adjustment Reference Value

To change the reference value, change the A. IRIS LEVEL value on the LEVEL 6/6 page of the setting menu using the UP or DOWN button.

Adjusting the Audio Level

If the AUTO SELECT CH1/CH2 selector switch is set to AUTO, the input levels of audio CH1 and CH2 are automatically adjusted. If are the level of audio channels 1 and 2 to be manually adjusted, perform the following operations.



Manually Adjusting the Audio Level

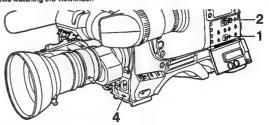
- 1 Set the AUTO SELECT CH1/CH2 selector switch to MAN.
- 2 Turn the AUDIO LEVEL CH1 control at the bottom of the front panel completely to the right.
- 3 Turn the AUDIO LEVEL CH1/CH2 controls to adjust the audio level so that the level meter appears up to 0 dB at the maximum volume.

Limiter

When the audio level is adjusted manually, the limiter circuit operates with respect to excessive input. Limiter circuit operation can be set to ON and OFF at the setting menu.

Adjusting the Audio CH1 Level from the Viewfinder

The audio CH1 level can be adjusted by the AUDIO LEVEL CH1 control at the bottom of the front panel while watching the viewfinder.



- 1 Set the AUTO SELECT CH1 switch to MAN.
- 2 Turn the AUDIO LEVEL CH1 control on the side panel completely to the right.
- Set LEVEL METER on the VF DISPLAY page of the setting menu to ON. The audio level display appears on the viewfinder screen.

Adjusting the Audio Level

4 Turn the AUDIO LEVEL CH1 control at the bottom of the front panel to adjust the input volume so that the audio level display appears as shown below.

•When the input volume is normal, the audio level display turns ON up to the sixth of the seven level display bars from the left.

•When the rightmost (0 dB) turns asterisk (+) mark, the input volume is excessive. Adjust the level so that the seventh (0 dB) does not turn . mark.

-40 -30 -25 -20 -15 -8 0

When the optimal level cannot be set

The maximum attenuation of the AUDIO LEVEL CH1 control at the bottom of the front panel is about 20 dB. When the optimal level cannot be set within this range, adjust the level using the AUDIO LEVEL CH1 control on the side panel.

Using the AUDIO LEVEL CH1 controls at the bottom of the front panel and on the side

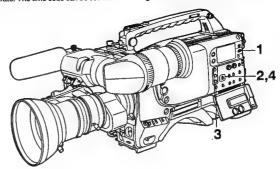
. Normally, the control at the bottom of the front panel is turned completely to the right and the recording level is adjusted using the control on the side panel.

The control at the bottom of the front panel is used to throttle the level when the input level increases suddenly during recording.

Setting the Time Data

Setting the Time Code

When using both the user bit and the time code, set the user bit first. If the time code is set first, the time code generator will stop while the user bit is being set, causing the set time code to become inaccurate. The time code can be set within the range of 00:00:00:00 to 23:59:59:24.



- 1 Set the DISPLAY switch to TC.
- 2 Set the TCG switch to SET.
- 3 Set the time code using the SHIFT/ITEM, UP and DOWN buttons.

SHIFT/ITEM button: This is used to cause the digit which is to be set to flash. Each time it is

pressed, the flashing digit moves to the right.

This increments by 1 the figure of the flashing digit. **UP** button: **DOWN button:** This decrements by 1 the figure of the flashing digit.

4 Set the TCG switch.

Set the switch to F-RUN when the time code is to be advanced regardless of the VTR's oper-

Set the switch to R-RUN when the time code is to be advanced only while recording is in

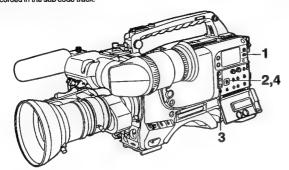
Time code status during battery replacement

The back-up mechanism functions even while replacing the battery to allow the time code generator to continue operating for extended periods of time (approx. 1 year).

Setting the Time Data

Setting the User Bit

Setting the user bit allows up to 8 digits of hexadecimal data such as memos (date, time), etc. to be recorded in the sub code track.



- 1 Set the DISPLAY switch to UB.
- 2 Set the TCG switch to SET.
- 3 Set UB MODE on the FUNCTION 3/5 page of the setting menu to REAL.
- 4 Set the user bit using the SHIFT/TEM, UP and DOWN buttons.
 SHIFT/TEM button: This is used to cause the digit which is to be set to flash. Each time it is pressed, the flashing digit moves to the right.

UP/DOWN buttons: These increment/decrement by 1 the figure of the flashing digit.

The hexadecimal characters A to F appear as follows.

Hexadecimal	Α	В	С	D	E	F
Display	R	ь	E.	d	E	F

5 Set the F-RUN/R-RUN switch to F-RUN or R-RUN.

User bit memory function

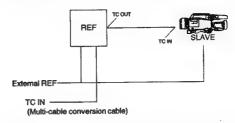
The user bit setting (except for the real time) is automatically stored in the memory and held even after the power is turned off. However, care should be taken as the settings are not stored in the memory if the time from when the power was turned on until the setting operations are completed and the power is turned off is less than 20 seconds.

Locking the Time Code to an External Source

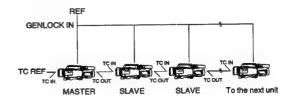
The time code generator of the VTR section can be locked to an external generator.

Example of connections for external locking

Example 1: Locking the time code to an external signal

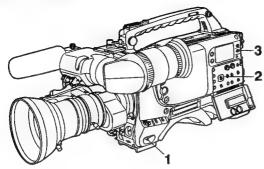


Example 2: Connecting multiple units and using one unit as the reference



Setting the Time Data

External Lock Operation Procedure



- 1 Set the POWER switch to ON.
- 2 Set the F-RUN/R-RUN switch to F-RUN.
- 3 Set the DISPLAY switch to TC.
- 4 Supply reference time code and reference video signals with a phase relationship which meets the time code standards to the TC IN and GENLOCK IN connectors, respectively.

This locks the built-in time code generator to the reference time code. After about 10 seconds have passed since the time code generator was locked, the external lock status is maintained even if the external reference time code is disconnected. However, if the reference time code is disconnected during recording (REC), the servo lock will be thrown out of order.

<Note>

When the external locking operation is performed, the time code is locked instantly to the external time code and the same value as the external code value appears in the counter display position. Do not set the VTR to recording mode for several seconds until the sync generator has stabilized.

Setting Time Data

User bit setting during external locking

When the time code is locked to an external source, only the time data is locked to the time data of the time code from the external source. Accordingly, the user bit can be set independently for each unit. The user bit can also be locked to the user bit of the time code from the external source.

• Consult your dealer for a detailed explanation.

Releasing the external lock

Stop supplying the external time code and then set the F-RUN/R-RUN switch to R-RUN.

Switching the power supply from the battery to an external power supply during external locking

In order to maintain power supply continuity for the time code generator, connect the external power supply to the DC IN connector before unplugging the battery pack. If the battery pack is unplugged first, the external locking continuity of the time code cannot be assured.

Synchronizing the camera section to an outside source during external locking

While the time code is locked to an external source, the camera section is genlocked by the reference video signal input to the GENLOCK IN connector.

Setup Card Operations

Setting menu contents can be stored using setup cards (option). This data can then be used to quickly recreate the appropriate setup conditions. Subject data, etc. can also be stored on setup cards. See the Setup Card Application Instructions for a detailed description.

 Setup cards are optional, and general purpose memory cards (S RAM 64 kbyte or more) can be used.

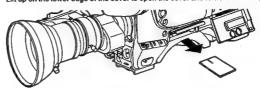
Setup Card Handling

Setup cards can be inserted and ejected regardless of whether the power in on or off.

However, setup cards should not be inserted or ejected during recording as this may result in misoperation.

Ejecting setup cards

Lift up on the lower edge of the cover to open the cover and remove the setup card.

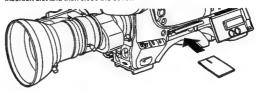


<Note>

Take care not to touch the connectors at the front of the setup card.

Inserting setup cards

Position the unit so that the panel with the logo faces you, insert the setup card insertion slot and then close the cover.



<Note>

Check that the unit is positioned with the logo facing you and that the characters are facing the correct direction, and then insert the card. Be sure to insert the card in the correct direction. If the card is difficult to insert, the card may be backwards or upside-down. In these cases, do not attempt to force in the card, but check whether the card is backwards or upside-down and then reinsert the card.

Usage and storage precautions

The following points should be observed when using and storing setup cards.

- Avoid high temperatures and humidity.
- Do not expose setup cards to water.
- Avoid electrostatic charges.

Store setup cards inserted in the unit with the cover closed.

Setup Card Operations

Setup Card Data Operations

Operations to store setting data on setup cards and read out stored data are performed at the SET UP CARD page of the setting menu.

<Note>

When operating the unit with a remote controller, the SET UP CARD page cannot be operated from the unit.

Formatting setup cards

- Set the MENU SET/OFF switch to SET. The page on which the previous setting menu operations were completed appears on the viewlinder screen. (When the menu is used for the first time, the first page appears.)
- Press the MENU switch repeatedly until the SET UP CARD page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)

- SET UP CARD -READ (-CAM)
WRITE (-CARD)
CARD CONFIG.
ID READ/WRITE : ON
FUNCTION1-2R/W: ON
L/M/H SET R/W: ON
LEVEL 1~6 R/W: ON

- 3 Press the SHIFT/ITEM button repeatedly to move the cursor to the CARD CONFIG. position.
- Press the UP (or DOWN) button. When the setup card has been formatted, the message shown below appears.
 Note>

When setup cards are formatted, the setting conditions at that time are also input simultaneously.

- SET UP CARD
READ (-CAM)
WRITE (-CARD)
-CARD CONFIG.
ID READ/WRITE : ON
FUNCTION: -2R/W: ON
L/M/H SET R/W: ON
LEVEL 1-6 R/W: ON
FORMAT OK

When menu operations have been completed, return the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

When data is not written

If the following error messages appear when the UP (or DOWN) button is pressed in step 4, the data is not written.

Data format error messages

Error message	Condition	Countermeasure	
WRITE PROTECT	The write protect switch on the side of the card is set to ON.	Set the write protect switch on the side of the card to OFF.	
NO CARD	A setup card is not inserted.	Insert a card.	
ERROR	The disk cannot be formatted.	The card may be defective Replace the card.	

Writing set data to cards

- 1 Set the MENU SET/OFF switch to SET. The page on which the previous setting menu operations were completed appears on the viewlinder screen. (When the menu is used for the first time, the first page appears.)
- Press the MENU switch repeatedly until the SET UP CARD page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)

- SET UP CARD -READ (-CAM)
WRITE (-CARD)
CARD CONFIG.
ID READ/WRITE : ON
FUNCTION1-2R/W: ON
L/M/H SET R/W : ON
LEVEL 1-8 R/W : ON

- 3 Press the SHIFT/TEM button repeatedly to move the cursor to the WRITE (→CARD) position.
- 4 Press the UP (or DOWN) button. When writing is complete, the message shown below appears.

- SET UP CARD
READ (~CAM)
-WRITE (~CARD)
CARD CONFIG.
ID READ/WRITE :ON
FUNCTION1-2R/W:ON
L/M/H SET R/W :ON
LEVEL 1-6 R/W :ON
WRITE OK

When menu operations have been completed, return the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen. Protecting stored data

If the setup card's WRITE PROTECT switch is set to ON, data is not rewritten even if the UP (or DOWN) button is pressed in step 4.



When data is not written

If the following error messages appear when the UP (or DOWN) button is pressed in step 4, the data is not written.

Data writing error messages

Error message	Condition	Format the card.	
NO CONFIG	The setup card is not formatted.		
NO CARD A setup card is not inserted.		Insert a card.	
WRITE PROTECT	The write protect switch on the side of the card is set to ON.	Set the write protect switch on the side of the card to OFF.	
ERROR	Data cannot be written on the card.	The card may be defective. Replace the card.	

Reading out data stored on cards

- 1 Set the MENU SET/OFF switch to SET. The page on which the previous setting menu operations were completed appears on the viewlinder screen. (When the menu is used for the first time, the first page appears.)
- Press the PAGE switch repeatedly until the SET UP CARD page shown below appears. (This operation can also be performed using the PAGE+UP/DOWN function.)

- SET UP CARD -READ (-CAM)
WRITE (-CARD)
CARD CONFIG.
ID READ/WRITE :ON
FUNCTION1-2R/W:ON
L/M/H SET R/W :ON
LEVEL 1-6 R/W :ON

- 3 Press the SHIFT/ITEM button to move the cursor to the READ (→CAM) position.
- 4 Press the UP (or DOWN) button. When readout is complete, the message shown below appears.

- SET UP CARD
-READ (-CAM)
WRITE (-CARD)
CARD CONFIG.
1D READ/WRITE :ON
FUNCTION1-2R/W:ON
L/M/H SET R/W :ON
LEVEL 1-6 R/W :ON
READ OK

When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status based on the data read out from the setup card appear at the top and bottom of the viewfinder screen.

When data is not read out

if the following error messages appear when the UP (or DOWN) button is pressed in step 4, the data is not read out.

Data readout error messages

Error message	Condition	Countermeasure	
NO CONFIG	The setup card is not formatted.	Format the card.	
NO CARD	A setup card is not inserted.	Insert a card.	
ERROR	Data cannot be read out.	Data written by devices other than this unit cannot be read out.	

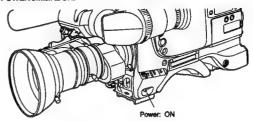
Cassettes

•See "Cassettes" (page 135) for a description of cassettes which can be used with the unit.

Inserting and Ejecting Cassettes

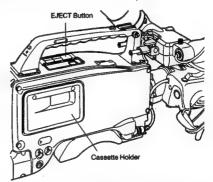
Inserting cassettes

1 Check that there are no cables, etc. around the cassette holder and the top panel and then set the POWER switch to ON.



If condensation has occurred inside the unit, the HUMID display lights. In these cases, walt until the display goes off before proceeding to step 2.

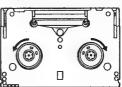
2 Press the EJECT button. The cassette holder opens.



3 Check that there is no slack in the tape, insert the cassette, and then firmly close the cassette holder.

Checking that there is no slack in the tape

Press the reel in with your finger and turn it lightly in the direction of the arrow. If the reel does not turn, there is no slack in the tape.



Cassettes

Ejecting cassettes

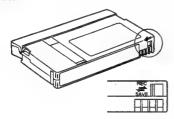
With the power turned on, press the EJECT button to open the cassette holder and eject the cassette. If a cassette is not to be inserted immediately after ejecting the cassette, close the cassette holder.

Ejecting cassettes when the battery has run out

Set the POWER switch to OFF to turn off the power, then turn on the power again and immediately hold down the EJECT button. If there is still power remaining in the battery, the cassette will be ejected. However, this operation should not be repeated.

Preventing Accidental Erasure

Set the tab on the cassette to the SAVE side to prevent the recorded contents of tapes from being accidentally erased.



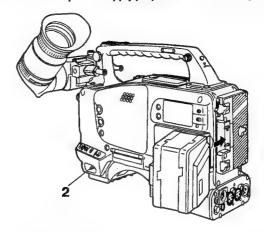
Recording

Basic Procedures

This section describes the basic operating procedures for shooting and recording. When starting to shoot actual images, inspect the unit beforehand to check that all systems are functioning normally.

• See the "Inspections Before Shooting" (page 129) for a description of inspection procedures.

Procedures from power supply preparations to inserting a cassette

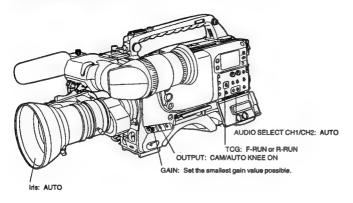


- 1 Insert a charged battery pack.
- 2 Set the POWER switch to ON and check that the HUMID display does not appear and that five or more bars of the remaining battery level display are lighted.
 •If the HUMID display appears, wait until the display goes off.
 - If five or more bars of the remaining battery level display are not lighted, replace the battery pack with a sufficiently charged battery pack.
- 3 Check that there are no cables, etc. around the cassette holder and top panel and then press the EJECT button to open the cassette holder.
- 4 Check the following items, and then insert a cassette and close the cassette holder.
 - The cassette is not set to write protect status.
 - There is no stack in the tape.

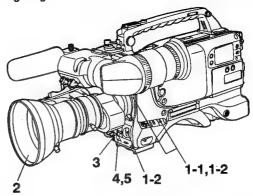
Procedures from adjusting the white balance and black balance to stopping recording

Turn on the power, insert a cassette, and then set the various switches as follows.

-90 -



Shooting images



- 1-1 Select the filter in accordance with the lighting conditions, and when the white balance has already been stored in the memory, set the WHITE BAL switch to "A" or "B".

 When the white balance and black balance have not been stored in the memory and there is no time to adjust the white balance:

 Set the WHITE BAL switch to PRST and set the FILTER knob to "1": this will achieve a 3200 K white balance. (if the knob is set to any other position, a 5600 K white balance is
- 1-2 To adjust the white balance on site, select the filter which corresponds with the lighting conditions, set the WHITE BAL switch to "A" or "B", and adjust the white balance by following the steps below.
 - (1) Press the AUTO W/B BAL switch to the AWB side to adjust the white balance.
 - (2) Press the AUTO W/B BAL switch to the ABB side to adjust the black balance.
 - (3) Press the AUTO W/B BAL switch to the AWB side to adjust the white balance. For details on how to adjust the white balance, read through the section entitled "Adjusting the white balance/black balance" (page 66).
- 2 Aim the camera at the subject and adjust the focus and zoom.
- When using the electronic shutter, set the shutter speed and operation mode.
 See "Setting the Electronic Shutter" (page 71) for a detailed description.
- 4 Press the VTR START button of the unit or the VTR button of the lens to start recording. The REC lamp inside the viewlinder lights during recording.
- 5 Press the VTR START button again to stop recording. The REC lamp inside the viewfinder goes off.

Tape operation buttons

The tape operation buttons (EJECT, REW, FF, PLAY, STOP) do not function during recording.

Recording

Successive Shooting

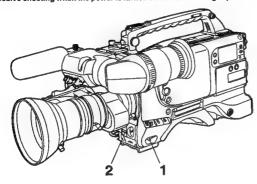
Successive shooting with an accuracy of within ± 1 frame can be performed simply by pressing the VTR START button of the unit or the VTR button of the lens while recording is paused.

While recording is paused

The unit automatically searches for the successive shooting point. However, the time until recording starts differs according to the setting of the VTR SAVE/STBY switch.

- elf the VTR SAVE/STBY switch is set to SAVE, recording starts about 2 seconds after the VTR START button is pressed.
- If the VTR SAVE/STBY switch is set to STBY, recording starts immediately after the VTR START button is pressed.

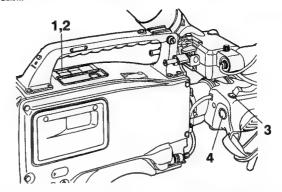
Successive shooting when the power is turned off while recording is paused



- 1 Turn the power back on.
- 2 Press the VTR START button of the unit or the VTR button of the lens to start recording.

Successive Shooting in Other Cases

It successive shooting is to be performed after the tape has been run, the cassette has been rejected, or when using a tape which has only been recorded part-way, follow the procedures outlined below.



Performing successive shooting after the tape has been run, the cassette has been ejected, or when using a tape which has only been recorded part-way

- 1 Press the PLAY button while watching the viewfinder screen and play back the tape.
- 2 At the place where continuity between frames is to be provided, press the PLAY (or STOP) button again to stop the tape.
- 3 Press the RET button on the lens. Preparations for frame-to-frame continuity are made about
- 4 Press the VTR START button of the unit or the VTR button of the lens to start recording.

Playback—Checking Recorded Contents

Pressing the PLAY button allows black-and-white playback images to be viewed on the view-finder. Playback images can also be viewed in two other ways.

- Rec review: If the RET VIDEO switch is set to the INT side, black-and-white images of the last
 2 seconds of the recorded contents can be seen on the viewfinder.
- Colour playback: Connecting a colour monitor to the unit's VIDEO OUT connector allows colour playback images to be viewed on the monitor.

The playback signal is output to the viewfinder even during rewind (REW) and fast forward (FF). Audio output selection and volume adjustment for the playback signal are performed by the MONITOR switches and knobs on page 13.

Rec Review

If recording is paused and the RET button on the lens is pressed, the tape is automatically rewound and the playback images for the last two seconds appear on the viewfinder. This allows the recording status to be checked.

After playback, the unit returns to the recording start standby status. Holding down the RET button rewinds and plays back up to 10 seconds of the tape.

• See "Selecting Functions" (page 65) for a description of CAM RET, function settings.

<Note>

The rec review function cannot be used unless recording has been performed for more than 1 second.

Colour Playback

Connecting a colour monitor to the VIDEO OUT connector of the unit allows colour playback images to be viewed on the monitor.

Connection With an External VTR

The unit is equipped with an interface which enables recording to be performed by an external

•Mounting the AJ-YA700P 26-pin output adaptor (option) and connecting the 26-pin cable (option) to the unit allows recording to be performed by the VTR section (internal VTR) of the unit and an external VTR. The component video signal is output from the 26-pin interface.

Precautions When Connecting an External VTR

Set 26P CONTROL on the FUNCTION 3/5 page of the setting menu to BOTH or ON. (The setting is OFF when shipped from the factory.)

Power supply

Power is not supplied or received between the unit and the external VTR, so special power supplies should be provided for each unit. The BATT lamp and remaining battery level display function inside the viewfinder indicate the power supply status only for the internal VTR. The power supply status for the external VTR should be checked at the external VTR.

TALLY lamp and REC lamp operation

The unit's TALLY lamp and the REC lamp inside the viewfinder indicate the REC status of the unit when 26P CONTROL is set to BOTH. When 26P CONTROL is set to ON, these lamps indicate the REC status of the external VTR.

Warning tone

External VTR-related warning tones are not output from the unit's speaker or PHONES jack.

Note on connecting cables

The signals may not be connected properly with some cables.

The signal assignments for the 26-pin output adaptor AJ-YA700P (optional) are shown in the following table. Use this table as a reference for connection with an external VTR.

Pin No.	Signal	Pin No.	Signal
1	Composite video signal	8	Ps GND
2	Composite video GND	9	CAM MIC (H)
3	Y GND	10	CAM MIC (C)
4	Y signal	11	CAM MIC (GND)
5	P _R signal	12	VTR START/STOP
6	Pn GND	15	RECTALLY
7	Pa signal	В	GND

Recording Simultaneously with the Internal VTR and an External VTR

Connections

Mount the AJ-YA700P 26-pin output adaptor (option) to the unit, connect the external VTR with the 26-pin cable, and set the audio input level selector switch of the external VTR to " $-60~\mathrm{dB}$ ". SW3101 and SW3102 on the CAM ENC Printed Circuit Board of the unit must be set to the 26P side. (See page 98.)

Audio input level selector switch: -60 dB

Portable VTR (Set the audio input level selector switch to -60 dB.)



To the 26-pin connector of the AJ-YA700P (See the following page for mounting the 26-pin output adaptor.)

Checking the Function Settings

Check that the settings of the functions which control the 26-pin interface are set to BOTH or ON at the FUNCTION 3/5 page of the setting menu. See "Selecting Functions" for a description of the various function settings.

Starting Recording

- Operate the external VTR and set it to recording paused status.
- 2 Press the VTR START button of the unit or the VTR button of the lens. The internal and external VTRs start recording simultaneously. Pressing the button again sets both VTRs to the recording paused status.

If One VTR Comes to the End of its Tape During Recording

Even if one VTR comes to the end of its tape and stops, the other VTR continues recording oper-

Returning the VTRs to simultaneous recording status

• If the internal VTR came to the end of its tape, replace the cassette and press the VTR START button of the unit or the VTR button of the lens. The external VTR continues recording operation

•If the external VTR came to the end of its tape, replace the cassette and operate the external VTR to restart recording. The internal VTR continues recording operation during this time.

Care should be taken as the internal VTR will assume recording paused status if the VTR START button of the unit or the VTR button of the lens is pressed after replacing the external VTR's

Functions of the Unit's VTR SAVE/STBY Switch

Tape running mode

Pressing the unit's STOP, REW or FF buttons sets the internal VTR to stop, rewind or fast forward modes, respectively. However, the external VTR is set to recording paused status in all cases.

Viewing playback images on the viewfinder

Pressing the unit's PLAY button allows black-and-white playback images from the internal VTR tape to be viewed on the viewfinder. Playback images from the external VTR cannot be viewed.

Using the 26-pin Output Adaptor

Connections

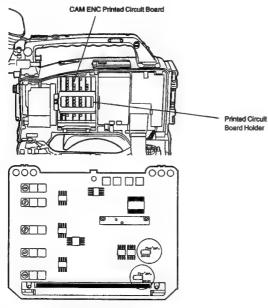
The method oil connecting the external VTR is the same as that described in "Recording Simultaneously with the Internal VTR and an External VTR".

• See "Connections" on page 95.

Mounting the 26-pin output adaptor

Consult your local dealer when mounting the adaptor.

- 1 Set the unit's internal switches.
 - 1 Remove the side panel on the display window side.
 - 2 Remove the Printed Circuit Board holder and remove the CAMERA ENC Printed Circuit Board.
 - 3 Set SW101 and SW102 to the 26P side.



CAM ENC Printed Circuit Board

2 Mount the 26-pin output adaptor.



Controlling the external VTR with the unit's switches

Setting the 26P CONTROL function as indicated below at the FUNCTION 3/5 page of the setting menu prevents the internal VTR from being operated and enables only the external VTR to be controlled by the VTR START button of the unit or the VTR button of the lens.

- ●26P CONTROL: ON
- •See "Selecting Functions" (page 65) for a description of FUNCTION 3/5 page operations.

Switching from the internal VTR to the external VTR

If the internal VTR experiences problems (tapes becoming tangled, condensation, etc.) during operation and becomes unable to operate, the VTR START button of the unit and the VTR button of the lens will not function. In these cases, setting the 26P CONTROL function as noted above at the FUNCTION 3/5 page allows the external VTR to be operated in place of the internal VTR using the VTR START button of the unit or the VTR button of the lens.

Starting recording

Operate the external VTR to set it to recording paused status and press the VTR START button of the unit or the VTR button of the lens. The external VTR starts recording. Pressing the button again sets the VTR to the recording paused status.

Output level of the 26-pin output adaptor

When the unit is shipped from the factory, the audio level is set to -60 dBu balanced. The audio level can be set to -20 dBu unbalanced. Consult your dealer for a detailed description.

RET Button

The images recorded on the VTR or return video signal which has been input to the VIDEO IN connector can be seen on the viewfinder screen when the RET (return video) button is pressed or while it is kept pressed in.

What is displayed on the viewfinder screen changes as indicated in the table below according to the RET VIDEO switch setting and VTR mode.

<Note>

When the REC SIGNAL item is set to VIDEO (when recording external input) at the MAIN FUNC-TION page of the setting menu, the external input appears on the viewfinder screen. However, the camera image appears on the viewfinder screen while the RET button is held down.

M Lens RET button functions

RET VIDEO switch setting	Internal VTR mode	Description of what appears on viewfinder screen
INT	Recording	Images shot by camera. RET button does not function.
	Recording paused	What has been recorded (2-second rec review) can be checked.
	Playing	Internal VTR's playback images. RET button does not function.
	Playback paused	Search operation for successive shooting.
EXT	Recording	Return video signal which has been supplied to VIDEO IN connector.
	Recording paused	Return video signal which has been supplied to VIDEO IN connector.
	Playing	Return video signal which has been supplied to VIDEO IN connector.
	Playback paused	Return video signal which has been supplied in VIDEO IN connector.

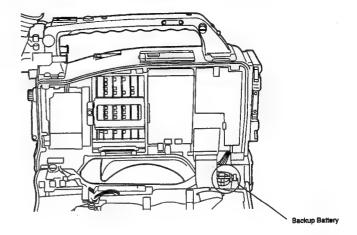
Replacing the Backup Battery

The unit is shipped from the factory with a backup battery already mounted. When the battery runs out, the TCG time code value indicates 00:00:00:00.

At this time, the time code value cannot be backed up.

In addition, the "BACK UP BATT EMPTY" display appears in the viewfinder for 3 seconds when the POWER switch is set to ON to indicate that the battery must be replaced.

Consult your dealer when replacing the battery.



MARKER Screen

This page sets the setting for the marker displays inside the viewfinder.

- MARKER --CENTRE MARK : ON SAFETY ZONE : 1

Item	Variable range	VF display	Remarks
CENTRE MARK	ON OFF	USER ENG	Centre mark display ON/OFF
SAFETY ZONE	OFF 1-6	USER ENG	Safety zone switching/display OFF

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

VF DISPLAY Screen

This page sets the setting for the display information inside the viewfinder.

- VF DISP	LAY -
→DISP MODE	: 3
EXTENDER	; ON
SHUTTER	: ON
TAPE	; ON
BATTERY	: ON
FILTER	: ON
WHITE	: ON
GAIN	: ON
LEVEL METE	R:ON
IRIS	:S+IRIS
CAMERA ID	: ON

Menu screen display methods

USER menu: Setting the MENU

switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP

buttons simultaneously and setting the MENU switch to SET displays the ENG menu.

Item	Variable range	VF display	Remarks
DISP MODE	1-3	USER	Display
		ENG	Change 1 2 3
			FILTER X X O
			GAIN × × O
			AWB × × O
			AUTO KNEE × O O
			SHUTTER × 0 0
			ABB STATUS × O O
			AWB STATUS X 0 0
EXTENDER	ON OFF	USER ENG	Extender display ON/OFF
SHUTTER	ON OFF	USER ENG	Shutter speed display ON/OFF
TAPE	ON OFF	USER ENG	Remaining tape length display ON/OFF
BATTERY	ON OFF	USER ENG	Battery voltage diaplay ON/OFF
FILTER	ON OFF	USER ENG	Filter No. display ON/OFF
WHITE	ON OFF	USER ENG	AWB PRE/A/B display ON/OFF
GAIN	ON OFF	USER ENG	Currently selected gain display ON/OFF
LEVELMETER	ON OFF	USER ENG	Audio level meter display ON/OFF
IRIS	IRIS S+IRIS S OFF	USER ENG	IRIS: Only the f-number is displayed. S+IRIS: Both the super iris ON status and f-number are displayed. S: Only the super iris ON status is displayed. OFF: Neither the super iris ON status nor f-number is displayed.
CAMERA ID	ON OFF	USER ENG	Mix ON/OFF during colour bar recording

The underlined setting in the Variable range column indicates the preset mode.

CAMERA ID Screen

This page performs the camera ID settings. Each time the UP button is pressed, the character display changes in the order of space, English letters (A to Z), numbers (0 to 9) and symbols [space, >, <,), (, ', ', ., -, -, ~, /, !]. Pressing the DOWN button changes the character display in the reverse order.

	- CAMERA ID -
	10:
	10:
1	

Item	Variable range	VF display	Remarks
ID: ******	_	USER ENG	Camera ID input

SHUTTER SPEED Screen

This page performs the shutter speed settings. The ON/OFF status for each item is indicated by displaying an asterix (-) or period (·) in front of the item on the screen.

- SHUTTER SPEED	-
SYNCHRO SCANSUPER V	
•1/1000 •1/2000	

*: ON : OFF

Item	Variable range	VF display	Remarks
SYNCHRO SCAN	ON OFF	ENG	Synchro scan shutter speed setting
SUPER V	ON OFF	ENG	SUPER V mode setting
1/60	ON OFF	ENG	Shutter speed 1/60 setting ON/OFF
1/120	ON OFF	ENG	Shutter speed 1/120 setting ON/OFF
1/250	ON OFF	ENG	Shutter speed 1/250 setting ON/OFF
1/500	ON OFF	ENG	Shutter speed 1/500 setting ON/OFF
1/1000	ON OFF	ENG	Shutter speed 1/1000 setting ON/OFF
1/2000	ON OFF	ENG	Shutter speed 1/2000 setting ON/OFF

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

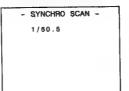
USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

ENG menu.

SYNCHRO SCAN Screen

This page performs the synchro scan settings.



Item	Variable range	VF display	Remarks
SYNCHRO	<u>1/50.5</u>	USER	Synchro shutter speed selection
SCAN	1/252	ENG	

! LED Screen

This page sets the ON/OFF setting for the ! LED display inside the viewfinder. The ON/OFF status for each item is indicated by displaying an asterix (*) or period (·) in front of the item on the screen



4.5	ON
•:	OFF

Item	Variable range	VF display	Remarks
GAIN (0 dB)	ON OFF	ENG	This selects whether or not the LED is lighted when the gain is any value other than 0 dB.
GAIN (-3 dB)	ON OFF	ENG	This selects whether or not the LED is lighted when the gain is any value other than -3 dB.
SHUTTER	ON OFF	ENG	This selects whether or not the LED is lighted when the shutter is ON.
WHITE PRESET	ON OFF	ENG	This selects whether or not the LED is lighted when the AWB CH is PRESET.
EXTENDER	ON OFF	ENG	This selects whether or not the LED is lighted when the lens is in EXTENDER mode.
FILTER	ON OFF	ENG	This selects whether or not the LED is lighted when the filter is any value other than 3200K.
SUPER V	ON OFF	ENG	This selects whether or not the LED is lighted when SUPER V is ON.

The I LED lights when both GAIN (0 dB) and GAIN (-3 dB) are ON unless the gain is set to -3 dB or 0 dB.

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

SET UP CARD Screen

This page sets the loading, saving and formatting operations for setup cards. Align the "-" with the desired item and press the UP or DOWN button to perform the corresponding processing.

- SET UP CARD -READ (-CAM)
WRITE (-CARD)
CARD CONFIG.
ID READ/WRITE :ON
FUNCTION1-2R/W:ON
L/M/H SET R/W :ON
LEVEL 1-6 R/W :ON

ltem	Variable range	VF display	Remarks
READ (→CAM)	_	USER ENG	Setup card data is written to the unit.
WRITE (→CARD)		USER ENG	Camera data is written to the setup card.
CARD CONFIG.	_	USER ENG	The setup card is formatted.
ID READ/WRITE	ON OFF	USER ENG	CAMERA ID READ/WRITE is switched ON or OFF when data is read from or written on the set-up card. ON: Read/write is enabled. OFF: Read/write is disabled.
FUNC1~2 R/W	ON OFF	USER ENG	READ/WRITE for FUNCTION1 and FUNCTION2 is switched ON or OFF when data is read from or written on the set-up card. ON: Read/write is enabled. OFF: Read/write is disabled.
L/M/H SET R/W	ON OFF	USER ENG	READ/WRITE for LOW SETTING, MID SETTING and HIGH SETTING is switched ON or OFF when data is read from or written on the set-up card. ON: Read/write is enabled. OFF: Read/write is disabled.
LEVEL1~6 R/W	ON OFF	USER ENG	READ/WRITE for LEVEL 1/6, 2/6, 3/6, 4/6, 5/6 and 6/6 is switched ON or OFF when data is read from or written on the set-up card. ON: Read/write is enabled. OFF: Read/write is disabled.

^{*}For example, so as not to change the CAMERA ID when reading from, or writing to the SET UP CARD, the ID READ/WRITE should be selected to OFF.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

ENG meni

MAIN FUNCTION Screen

This page performs the adjustment function settings.

- MAIN FUNCTION -PHANTOM FRONT:ON
PHANTOM CH1 :OFF
PHANTOM CH2 :OFF

Item	Variable range	VF display	Remarks
PHANTOM FRONT	ON OFF	ENG	Phantom microphone (front) usage selection ON: Phantom microphone (+48 V) used. OFF: Normal microphone used.
PHANTOM CH1	ON OFF	ENG	Phantom microphone (CH1) usage selection ON: Phantom microphone (+48 V) used. OFF: Normal microphone used.
PHANTOM CH2	ON OFF	ENG	Phantom microphone (CH2) usage selection ON: Phantom microphone (+48 V) used. OFF: Normal microphone used.

BATT/TAPE ALARM Screen

The battery end and tape end audio warnings during shooting can be switched off if they become undesirable.

- BATT/TAPE ALARM -BATT NEAR END :ON
BATT END :ON
TAPE NEAR END :ON
TAPE END :ON

Item	Variable range	VF display	Remarks
BATT NEAR END	ON OFF	ENG	Battery near end audio ON/OFF
BATT END	ON OFF	ENG	Battery end audio warning ON/OFF
TAPE NEAR END	QN OFF	ENG	Tape near end audio warning ON/OFF
TAPE END	ON OFF	ENG	Tape end audio warning ON/OFF

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

The underlined setting in the Variable range column indicates the preset mode.

FUNCTION 1/5 Screen

This page performs the adjustment function 1 settings. The ON/OFF status for each item is indicated by displaying an asterix (*) or period (·) in front of the item on the screen.

-: ON

Item	Variable range	VF display	Remarks
DETAIL	ON OFF	ENG	Detail (H, V) ON/OFF switching
2D LPF	ON OFF	ENG	ON/OFF switching for 2-dimensional LPF (Low Pass Filter) which reduces colour smear
SKIN TONE DTL	ON OFF	ENG	Skin tone detail ON/OFF switching
MATRIX	<u>ON</u> OFF	ENG	Colour adjustment ON/OFF switching
GAMMA	ON OFF	ENG	Gamma circuit ON/OFF switching
TEST SAW	ON OFF	ENG	Test signal ON/OFF switching
FLARE	ON OFF	ENG	Flare compensation ON/OFF switching

FUNCTION 2/5 Screen

This page performs the adjustment function 2 settings.

- FUNCTION	2/5 ~
SUPER V FILTER INH SHOCKLESS AWB S.IRIS SW S.SCAN SEL	:FRM1 :OFF :NORMAL :S.IRIS :ON
:	

Item	Variable range	VF display	Remarks
SUPERV	FRM1 FRM2	ENG	Super V mode selection FRM1: Normal mode FRM2: Lag reduction mode
FILTER INH	ON OFF	ENG	Switch that determines whether AWB memory (Ach, Bch) data is stored for each filter. ON: Ach and Bch memory only (2 memory units), regardless of the filter. OFF: Data is stored for each filter. (4×2=8 memory units)
SHOCKLESS AWB	OFF NORMAL SLOW FAST	ENG	Shockless AWB ON (NORMAL/SLOW/ FAST)/OFF switching
S.IRIS SW	S.IRIS 30 dB OFF	ENG	Super iris (S.IRIS)/30 dB/OFF switching
S.SCAN SEL	ON OFF	ENG	Synchro scan ON/OFF switching ON: S.SCAN speed can be varied by the SUPER IRIS/MODE CHECK switch, OFF: Normal mode

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

NG menu.

FUNCTION 3/5 Screen

This page performs the adjustment function 3 settings.

- FUNCTION 3/5
-HUMID OPE :OFF
28P CONTROL :OFF
REC START :NORMAL
UB MODE :USER
PAUSE TIMER :30
BATTERY SEL :NICd-12
TCG VF DISP :OFF

item	Variable range	VF display	Remarks
HUMID OPE	ON QFE	ENG	VTR operation selection when condensation occurs. ON: Operation continues normally. OFF: All operations prohibited except for POWER switch and EJECT button.
26P CONTROL	OFF BOTH ON	ENG	26P remote control selection OFF: Unit only (26P control does not function.) BOTH: Unit and 26P remote control (TALLY LED indicates unit REC status.) ON: 26P remote control only (TALLY LED indicates 26P VTR REC status.)
REC START	ALL NORMAL	ENG	REC acceptance selection for VTR START/STOP ALL: REC accepted regardless of VTR mode. NORMAL: REC accepted only during STOP (POWER SAVE) mode and REC PAUSE mode.
UB MODE	USER REAL EXT	ENG	LTC UB usage method selection USER: REAL: Real-time operation according to the TIME DATE time EXT: When there is external TC input, the UBG value is slave locked. (When there is no external input, the user setting is used.)
PAUSE TIMER	10 20 30	ENG	Selection for the recording/pause hold time. 10: 10 minutes 20: 20 minutes 30: 30 minutes
BATTERY SEL	NiCd-12 NiCd-13 NiCd-14 DIGITAL	ENG	Battery type selection* NICd-12: 12 V Nicad battery NICd-13: 13 V Nicad battery NICd-14: 14 V Nicad battery DIGITAL: Digital battery
TCG VF DISP	ON OFF	ENG	Viewfinder time code display ON/OFF ON: Time code is displayed. OFF: Time code is not displayed.

*Even if the BATTERY SEL is selected to NiCd-12, 13 or 14, the camera automatically senses whether or not an Anton Bauer's intelligent Battery is fitted. In the case of an intelligent battery, a numerical indication (per

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

FUNCTION 4/5 Screen

This page performs the adjustment function 4 settings.

- FUNCTION 4/5 - FRONT MIC :-40dB
REAR MIC CH1 :-60dB
REAR MIC CH2 :-60dB
LINE CH1/CH2 :00B
REAR AUDIO :STEREO
MIC LOWCUT CH1:OFF
MIC LOWCUT CH2:OFF
EMPHASIS :OFF
CUE AUDIO :CH1

Item	Variable range	VF display	Remarks
FRONT MIC	<u>-40/</u> -50/ -60 dB	ENG	Camera microphone input level selection
REAR MIC CH1	40/ 50/ <u>60</u> dB	ENG	Rear jack AUDIO CH1 input microphone level selection
REAR MIC CH2	40/ 50/ <u>60</u> dB	ENG	Rear jack AUDIO CH2 input microphone level selection
LINE CH1/CH2	+4/ <u>0</u> / -6 dB	ENG	Rear jack AUDIO CH1/CH2 input line input level selection
REAR AUDIO	STEREO MONO	ENG	Audio CH1/CH2 rear jack input selection STEREO: Selects stereo input (CH1 input is recorded in CH1 and CH2 input is recorded in CH2.) MONO: Selects monaural input (The signals of CH1 and CH2 are mixed and recorded in CH1 and CH2 respectively.)
MIC LOWCUT CH1	ON OFF	ENG	CH1 microphone bypass filter ON/OFF switching
MIC LOWCUT CH2	ON OFF	ENG	CH2 microphone bypass filter ON/OFF switching
EMPHASIS	ON OFF	ENG	Emphasis ON/OFF switching
CUE AUDIO	CH1 CH2 MIX	ENG	CUE AUDIO recording setting CH1: Records CH1 AUDIO CH2: Records CH2 AUDIO MIX: Records CH1 and CH2 mixed AUDIO.

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

ENG menu.

FUNCTION 5/5 Screen

This page performs the adjustment function 5 settings.

- FUNCTION 5/5 -AUDIO OUT :CH1
LIMITER :OFF
TEST TONE :ON

Item	Variable range	VF display	Remarks
AUDIO OUT	CH1/ CH2/ MIX	ENG	AUDIO OUT selection CH1: CH1 output to AUDIO OUT CH2: CH2 output to AUDIO OUT MIX: CH1 and CH2 mixed and output to AUDIO OUT
LIMITER	ON OFF	ENG	Audio limiter ON/OFF switching ON: Limiter ON OFF: Limiter OFF
TEST TONE	QN OFF	ENG	Audio test tone ON/OFF switching during colour bar output

TIME DATE Screen

This page performs the date and time settings. After the date and time have been changed, pressing the UP or DOWN buttons executes the settings.

- TIME/DATE -YEAR :95
MONTH :01
DAY :01
HOUR :00
MINUTE:00

Item	Variable range	VF display	Remarks
ÆAR	95 to 10	ENG	Year setting
MONTH	1 to 12	ENG	Month setting
DAY	1 to 31	ENG	Day setting
HOUR	0 to 23	ENG	Hour setting
MINUTE	Q to 59	ENG	Minute setting
TIME/DATE SET	_	ENG	Date/time confirmation

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

LOW SETTING Screen

This page sets the low level.

- LOW SETTING
-MASTER GAIN : OdB
H. DTL LEVEL :13
V. DTL LEVEL :10
DTL CORING :03
H. DTL FRED: 03
DARK DTL :00
LEVEL DEPEND: 01
MASTER GAMMA :0.47
BLACK STRETCH-OFF
MATRIX TABLE :A

Item	Variable range	VF display	Remarks
MASTER GAIN	-3 dB : 0 dB : 30 dB	ENG	Gains of3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB (S. H. GAIN) can be set.
H.DTL LEVEL	0 : 13 : 31	ENG	H.DTL (detail) level setting
V.DTL LEVEL	0 : 10 : 31	ENG	V.DTL (detail) level setting
DTL CORING	0 :: 3 :: 15	ENG	DTL coring setting
H.DTL FREQ.	1 :: 3 :: 5	ENG	H.DTL frequency selection
DARK DTL	<u>0</u> : 5	ENG	Dark detail setting
LEVEL DEPEND.	0 :: 1 :: 5	ENG	LEVEL DEPEND. setting
MASTER GAMMA	0.35 : 0.47 : 0.75	ENG	Master gamma setting 0.01 steps
BLACK STRETCH	ON OFF	ENG	ON/OFF switching for mode which compensates low-illumination black-out
MATRIX TABLE	A B	ENG	Colour compensation table selection

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the ENG menu.

MID SETTING Screen

This page sets the middle level.

- MID SETTING
--MASTER GAIN : 9dB
H.DTL LEVEL :13
V.DTL LEVEL :10
DTL CORING :05
H.DTL FREQ :03
DARK DTL :00
LEVEL DEPEND :03
MASTER GAMMA :0.47
BLACK STRETCH:0FF
MATRIX TABLE :A

item	Variable range	VF display	Remarks
MASTER GAIN	-3 dB : 9 dB : 30 dB	ENG	Gains of -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB (S. H. GAIN) can be set.
H.DTL LEVEL	0 :: 13 :: 31	ENG	H.DTL (detail) level setting
V.DTL LEVEL	0 :: 10 :: 31	ENG	V.DTL (detail) level setting
DTL CORING	0 : 5 : 15	ENG	DTL coring setting
H.DTL FREQ.	1 :: 3 :: 5	ENG	H.DTL fraquency selection
DARKOTL	<u>0</u> : 5	ENG	Dark detail setting
LEVEL DEPEND.	0 : 3 : 5	ENG	LEVEL DEPEND. setting
MASTER GAMMA	0.35 : 0.47 : 0.75	ENG	Master gamma setting 0.01 steps
BLACK STRETCH	ON OFE	ENG	ON/OFF switching for mode which compensates low-illumination black-out
MATRIX TABLE	A B	ENG	Colour compensation table selection

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

HIGH SETTING Screen

This page sets the high level.

- HIGH SETTING --MASTER GAIN :18dB H.DTL LEVEL :10 V.DTL LEVEL :08 DTL CORING :08 H.DTL FREQ. :03 DARK DTL :00 LEVEL DEPEND :05 MASTER GAMMA :0.55 BLACK STRETCH-OFF MATRIX TABLE :B

Item	Variable range	VF display	Remarks
MASTER GAIN	-3 dB : 18 dB : 30 dB	ENG	Gains of -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB (S. H. GAIN) can be set.
H.DTL LEVEL	0 : 10 : 31	ENG	H.DTL (detail) level setting
V.DTL LEVEL	0 :: <u>8</u> :: 31	ENG	V.DTL (detail) level setting
DTL CORING	0 : 8 : 15	ENG	DTL coring setting
H.DTL FREQ.	1 :: 3 :: 5	ENG	H.DTL frequency selection
DARK DTL	<u>0</u> : 5	ENG	Dark detail setting
LEVEL DEPEND.	0 : <u>5</u>	ENG	LEVEL DEPEND. setting
MASTER GAMMA	0.35 : 0.55 : 0.75	ENG	Master gamma setting 0.01 steps
BLACK STRETCH	ON OFF	ENG	ON/OFF switching for mode which compensates low-illumination black-out
MATRIX TABLE	A B	ENG	Colour compensation table selection

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

ENG menu.

LEVEL 1/6 Screen

This page performs the camera setup level 1 settings.

- LEVEL 1/6 --C DTL COMPE. : OFF CHROMA DTL : 00 C DTL CORING : 00 KNEE APERTURE : ON SLIM DTL :OFF SUPER COLOUR :ON CORNER DTL :OFF

Item	Variable range	VF display	Remarks
C DTL COMPE.	ON OFF	ENG	Chroma DTL ON/OFF switching
CHROMA DTL	<u>0</u> : 15	ENG	Chroma DTL setting
C DTL CORING	<u>Q</u> : 15	ENG	Chroma DTL CORING setting
KNEE APERTURE	ON OFF	ENG	Knee aperture ON/OFF switching
SLIM DTL	ON OFF	ENG	ON/OFF switching for mode which narrows detail
SUPER COLOUR	ON OFF	ENG	ON/OFF switching for colour dynamic range expansion
CORNER DTL	ON OFF	ENG	ON/OFF switching for mode which increases edge resolution

LEVEL 2/6 Screen

This page performs the camera setup level 2 settings.

-	LEVEL 2/6 -
SKIN SKIN SKIN	TONE HUE :103 TONE LEVEL :25 TONE WIDTH :15 TONE CORING:15 TONE ZEBRA :OFF

Item	Variable range	VF display	Remarks
SKIN TONE HUE	103 143	ENG	Skin tone hue setting
SKIN TONE LEVEL	1 :: 25 :: 50	ENG	Skin tone level setting
SKIN TONE WIDTH	1 : 15 : 30	ENG	Skin tone width setting
SKIN TONE CORING	0 : <u>15</u>	ENG	Skin tone coring setting
SKIN TONE ZEBRA	ON OFF	ENG	Skin tone zebra ON/OFF switching

Only numbers are displayed while the variable range of any item except SKIN TONE ZEBRA ON/OFF is being changed.

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

LEVEL 3/6 Screen

This page performs the camera setup level 3 settings.

- LEVEL 3/6 -M. PED :+006
MANUAL KNEE :ON
KNEE POINT :197
KNEE SLOPE :24
WHITE CLIP :ON
WHITE CLIP LEVEL:244

item	Variable range	VF display	Remarks
M.PED	-128 : +006 : +127	ENG	M.PED (Master pedestal level) setting
MANUAL KNEE	ON OFF	ENG	Mode setting when AUTO KNEE switch set to OFF
KNEE POINT	197 : 219	ENG	Manual knee point position setting
KNEE SLOPE	0 : <u>24</u> : 25	ENG	Manual knee inclination setting
WHITE CLIP	ON OFF		White clip ON/OFF switching
WHITE CLIP LEVEL	214 : 244 : 254		White clip level setting

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

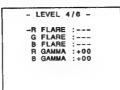
USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

ENG menu.

LEVEL 4/6 Screen

This page performs the camera setup level 4 settings.



item	Variable range	VF display	Remarks
R FLARE	00 : 100	ENG	Rch flare setting The preset value differs according to the camera.
G FLARE	00 : 100	ENG	Gch flare setting The preset value differs according to the camera.
8 FLARE	00 : 100	ENG	Bch flare setting The preset value differs according to the camera.
FI GAMMA	-15 : +00 : +15	ENG	Rch gamma compensation value for the master gamma.
B GAMMA	-15 : +00 : +15	ENG	Bch gemma compensation value for the master gemma.

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

LEVEL 5/6 Screen

This page performs the recording level 5 settings.

- LEVEL 5/6	-
-MATRIX TABLE	: A
MATRIX R-G	:+15
MATRIX R-B	:+07
MATRIX G-R	:+02
MATRIX G-B	:+10
MATRIX B-R	:+15
MATRIX B-G	;+02

ltem	Varia ran		VF display	Remarks
MATRIX TABLE	Δ	В	ENG	Colour adjustment table selection
MATRIX R-G	-31 ±15 ±31	-31 : +5 : +31	ENG	Colour adjustment
MATRIX R-B	-31 : +7 : +31	-31 :: <u>-3</u> :: +31	ENG	Colour adjustment
MATRIX G-R	-31 : +2 : +31	31 :: 8 :: +31	ENG	Colour adjustment
MATRIX G-B	-31 : +10 : +31	-31 : +00 : +31	ENG	Colour adjustment
MATRIX B-R	-31 : +15 : +31	-31 : +5 : +31	ENG	Colour adjustment
MATRIX B-G	-31 : +2 : +31	-31 :: -8 :: +31	ENG	Colour adjustment

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

LEVEL 6/6 Screen

This page performs the camera setup level 6 settings.

- LEVEL 6/6 -	-
H PHASE COARSE H PHASE FINE SC PHASE COARSE SC PHASE FOARSE A. IRIS LEVEL A. IRIS PEAK (AVE A. IRIS MODE S. IRIS LEVEL	:07 :128 :0 :128 :063 :075 :NORM1

Item	Variable range	VF display	Remarks
H PHASE COARSE	0 : Z : 15	ENG	H phase rough adjustment during GENLOCK mode.
H PHASE FINE	0 : 128 : 255	ENG	H phase fine adjustment during GENLOCK mode.
SC PHASE COARSE	Q :: 3	ENG	SC phase rough adjustment during GENLOCK mode.
SC PHASE FINE	0 : 128 : 255	ENG	SC phase fine adjustment during GENLOCK mode.
A.IRIS LEVEL	0 :: 63 :: 100	ENG	Auto iris target value setting
A.IRIS PEAK/AVE	0 : <u>75</u> : 100	ENG	Auto iris peak: average value ratio setting
A,IRIS MODE	NORM1 NORM2 CENTR	ENG	Auto Iris mode selection NORM1: Light metering over entire screen (except for edges). NORM2: Light metering over entire screen (except for top). CENTR: Light metering with priority given to centre area.
S.IRIS LEVEL	0 : 72 : 100	ENG	Super iris target value setting (Backlight compensation mode)

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods
USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the ENG menu.

VF OPERATION Screen

This page performs the viewfinder display settings.



Item	Variable range	VF display	Remarks
VFOUT	Y NAM R G B	ENG	VF OUT selection
VF DTL	0 :: 2:: 4	ENG	VF DTL selection
ZEBRA1 DETECT	50 :: <u>70</u> :: 110	ENG	ZEBRA1 DETECT level (% value) setting
ZEBRA2 DETECT	50 :: 85 :: 110	ENG	ZEBRA2 DETECT level (% value) setting
ZEBRA2	ON OFF SPOT	ENG	ZEBRA2 ON/OFF switching and SPOT selection "When ZEBRA2 is set to SPOT, set the ZEBRA2 DETECT value higher than the ZEBRA1 DETECT value. If the ZEBRA2 DETECT value is less than the ZEBRA1 DETECT value, the ZEBRA pattern will not be displayed.

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

ENG menu.

LENS ADJ Screen

This page performs the lens adjustments. The ON/OFF status for each item is indicated by displaying an asterix (*) or period (·) in front of the item on the screen.

- LENS ADJ -+F2.8 ADJ -F16 ADJ

Item	Variable range	VF display	Remarks
F2.8 ADJ	1-	ENG	Voltage is output only when selected by the cursor (arrow).
F16 ADJ	_	ENG	Voltage is output only when selected by the cursor (arrow).

When using a lens which allows the lens iris open or close end to be adjusted, set either "F2.8 ADJ" or "F16 ADJ" to ON and repeatedly adjust the lens iris until it is "F2.8" or "F16", respectively. (Some types of lenses do not have this adjustment knob. Such lenses do not require this adjustment, except for lenses intended for special applications.)

Remarks

ON: This switches the display ON.
OFF: This switches the display OFF.

MENU SELECT 1/3 Screen

This page performs the menu page display ON/OFF settings. The ON/OFF status for each item is indicated by displaying an asterix (-) or period (-) in front of the item on the screen.

Variable

VF

	Laude	disbiss	
MARKER	ON OFF	ENG	MARKER item user menu display ON/OFF
VF DISPLAY	ON OFF	ENG	VF DISPLAY item user menu display ON/OFF
CAMERA ID	ON OFF	ENG	CAMERA ID item user menu display ON/OFF
SHUTTER SPEED	ON OFF	ENG	SHUTTER SPEED item user menu display ON/OFF
SYNCHRO SCAN	ON OFF	ENG	SYNCHRO SCAN item user menu display ON/OFF
1 LED	ON OFF	ENG	ł LED item user menu display ON/OFF
SET UP CARD	ON OFF	ENG	SET UP CARD item user menu display ON/OFF
MAIN FUNCTION	<u>ON</u> OFF	ENG	MAIN FUNCTION Item user menu display ON/OFF
BATT/TAPE	ON	ENG	BATT/TAPE ALARM item user menu

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

·: OFF

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

FNG menu

MENU SELECT 2/3 Screen

This page performs the menu page display ON/OFF settings. The ON/OFF status for each item is indicated by displaying an asterix (*) or period (·) in front of the item on the screen.

- MENU SELECT 2/3 -FUNCTION 1/5
FUNCTION 2/5
FUNCTION 3/5
FUNCTION 4/5
FUNCTION 5/5
TIME/DATE
LOW SETTING ·HIGH SETTING

·: ON ·: OFF

Item	Variable range	VF display	Remarks
FUNCTION 1/5	ON QFF	ENG	FUNCTION 1/5 item user menu display ON/OFF
FUNCTION 2/5	ON OFF	ENG	FUNCTION 2/5 item user menu display ON/OFF
FUNCTION 3/5	ON OFF	ENG	FUNCTION 3/5 item user menu display ON/OFF
FUNCTION 4/5	ON OFF	ENG	FUNCTION 4/5 item user menu display ON/OFF
FUNCTION 5/5	ON OFF	ENG	FUNCTION 5/5 item user menu display ON/OFF
TIME/DATE	ON OFF	ENG	TIME/DATE item user menu display ON/OFF
LOW SETTING	ON OFF	ENG	LOW SETTING item user menu display ON/OFF
MID SETTING	ON OFF	ENG	MID SETTING Item user menu display ON/OFF
HIGH SETTING	ON OFF	ENG	HIGH SETTING item user menu display ON/OFF

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

MENU SELECT 3/3 Screen

This page performs the menu page display ON/OFF settings. The ON/OFF status for each item is indicated by displaying an asterix (*) or period (·) in front of the item on the screen.

- MENU SELECT 3/3 --- LEVEL 1/6 · LEVEL 3/6 · LEVEL 4/6 · LEVEL 5/6 · LEVEL 6/6 · VF OPERATION · LENS ADJ

> e: ON OFF

Item	Variable range	VF display	Remarks
LEVEL 1/6	ON OFF	ENG	LEVEL 1/6 item user menu display ON/OFF
LEVEL 2/6	ON OFF	ENG	LEVEL 2/6 item user menu display ON/OFF
LEVEL 3/6	ON OFF	ENG	LEVEL 3/6 item user menu display ON/OFF
LEVEL 4/6	ON OFF	ENG	LEVEL 4/6 item user menu display ON/OFF
LEVEL 5/6	ON OFF	ENG	LEVEL 5/6 item user menu display ON/OFF
LEVEL 6/6	ON OFF	ENG	LEVEL 6/6 item user menu display ON/OFF
VF OPERATION	ON OFF	ENG	VF OPERATION item user menu display ON/OFF
LENS ADJ	ON OFF	ENG	LENS ADJ item user menu display ON/OFF

The underlined setting in the Variable range column indicates the preset mode.

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the

AUTO SHADING Screen

This page performs the auto shading settings. Align the arrow with the desired BLACK or WHITE item and press the UP or DOWN button to execute the setting.

- AUTO SHAD	ING -
-BLACK WHITE(V.SAW) BLACK COMPE WHITE COMPE	: ON

Item	Variable VF range display		Remarks			
BLACK	<u> </u>	ENG	Auto black shading (digital) activated			
WHITE (V. SAW)		ENG	Auto white shading (V. SAW) activated			
BLACK COMPE	ON OFF	ENG	Black compensation ON/OFF			
WHTE COMPE	ON OFF	ENG	White compensation ON/OFF			

The underlined setting in the Variable range column indicates the preset mode.

DATA RESET Screen

This page resets the menu display item settings. Aligning the cursor (arrow) with the item and pressing the UP or DOWN button resets the settings.



item	Variable range	VF display	Remarks				
DATA RESET	T	ENG	Sets the setting menu to the status when shipped from the factory.				

<Note>

The flare compensation value (LEVEL 4/6) and shading compensation value (AUTO SHADING) do not return to the default settings.

DIAGNOSTIC Screen

This page displays the unit's operating conditions and software version.

- DIAGN	OSTIC -	-
OPERATION DRUM RUNNING THREADING	:00000	×10h ×10h ×10
VTR SYSCON CAM SYSCON	:Ver<1 :Ver<1	

Rem	Variable VF range display		Remarks			
OPERATION	_	ENG	Operating time with the power ON			
DRUM RUNNING		ENG	Drum rotating time			
THREADING	_	_	Loading times			
VTR SYSCON		ENG	Software version display			
CAM SYSCON		ENG	Software version display			

Menu screen display methods

USER menu: Setting the MENU switch to SET displays the USER menu.

ENG menu: Holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU switch to SET displays the ENG menu.

Warning System

If trouble is detected immediately after the power is turned on or during operation, the display window (LCD), WARNING lamp, lamps inside the viewfinder, and warning tones from the speaker and earphone inform the operator of trouble.

	D	splay wir	dow (LCI	D)	Lan	nps			VTR (section) operation	
ltem	Warning display	Warning display status	Remain- ing battery invol display	Remain- ing tape length display	WARN- ING lamp	REC lamp	Warning tone			Countermessures
RF	RF	Lighted			Flashes 4 times per second	Flashes 4 times per second	Emitted 4 times per second *1)	Video head clogging, recording system trouble	Head clogging is detected and a warning tone emitted. Images may not be recorded properly.	Clean the heads. If images still cannot be recorded properly after the heads are cleaned, consult your dealer.
SERVO	SERVO	Lighted			Flashes 4 times per second	Flashes 4 times per second	Emitted 4 times per second	The servo is out of order.	Recording continues, but images may not be recorded properly.	Turn off the power and consult your dealer. (Lamps may flash briefly and then go off when tape running starts, but this does not indicate trouble.)
HUMID	HUMID	Lighted	ed		Lighted	Flashes 4 times per second	Emitted 4 times per second *1)	Condensation	Recording continues, but stops if tape sticking occurs. Playback, fast	If tape running stops and the HUMID display does not go off even when the power is turned off
							Continu- ous tone*2)		forward and rewind operation stops.	and then on again, wait until the display goes off.
SLACK	SLACK	Flashes			Flashes 4 times per second	Flashes 4 times per second	Continu- ous tone	Tape wind-up trouble	An error code appears in the time code display position of the display window (LCD) and the VTR stops.	Check the error code in the display window (see page 127) and consult your dealer.

*1) During recording

*2) During playback, fast forward or rewind

<Note>

If a cleaning tape is not available to deal with video head clogging, etc., first establish the STOP mode and then press the STOP button again while the RESET button on the side panel is kept depressed. While these buttons are held down, the cleaning roller will clean the heads for a maximum of 10 seconds.

Warning System

	Display window (LCD)				Lemps					
ftern	Warning display	Warning display status	Romain- ing battery level display	Remain- ing tape length display	WARN- ING lamp	REC lamp	Warning tone	Warning contents	VTR (section) operation	Countermeasures
TAPE END	E TAPE F	Flashes		1 of the 7 bars displayed; 5-0 display inside the viewfinder flashes	1 time per second*1)	Flashes 1 time per second	Emitted 4 times per second	The tape is nearing its end.	Operation continues.	Replace the tape as necessary.
		Flashes		All 7 bars displayed	Lighted	Flashes 4 times per second	Continu- ous tone	The tape has reached its end.	Recording, playback or fast forward operation stops.	Replace the cassette or rewind the tape.
BATTERY E BA	E BATT	Flashes	1 of the 7 bars displayed		Flashes 1 time per second	Flashes 1 time per second	Emitted 4 times per second*1)	The battery has almost run out.	Operation continues.	Replace the battery as necessary.
	F	Flashes	All 7 bars displayed		Lighted	Flashes 4 times per second	Continu- ous tone	The battery has run out.	Operation stops.	Replace the battery.

*1) During recording

*2) During playback, fast forward or rewind

<Notes>

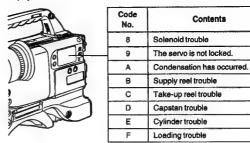
- When trouble occurs with the external VTR connected to the unit, warnings are displayed only by the unit's REC and TALLY
- •When connecting the external VTR to the 26-pin output adaptor and recording simultaneously with the internal and external VTRs, the REC and TALLY lamps flash if trouble occurs in either VTR. Check the warning displays of each VTR to confirm the

Warning system priorities are as follows.

- 1 SLACK 2 BATTERY END
- 3 TAPE END
- 4 BATTERY NEAR END
- 5 TAPE NEAR END 6 HUMID
- 7 SERVO
- 8 RF

Error Codes

When an error occurs in the unit for some reason or other, the following error codes appear in the

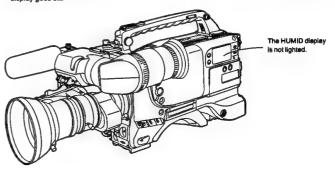


Maintenance

Condensation

If the unit is moved from a cold location to a warm location or used in areas with high humidity, the moisture in the air may adhere as water droplets on the head drum. This is called condensation, and if the tape is run under these conditions, it will easily stick to the drum. Therefore, the following points should be observed.

- If the unit is moved under conditions where condensation may occur, eject the tape.
- •Before inserting the tape, set the POWER switch to ON and check that the HUMID display in the display window is not lighted. If the HUMID display is lighted, do not insert the tape until the display goes off.



Maintenance

Cleaning the Video Heads

Use the AJ-CL12MP cleaning cassette when head cleaning is required. Improper use of the cleaning cassette may damage the video heads. Therefore, read the Handling Instructions for the cleaning tape carefully before use.

Cleaning the Viewfinder

- Do not use thinner or other solvents to remove dirt from the viewfinder.
- •Wipe the lens with lens cleaner available on the market.
- Absolutely do not wipe the mirror. If dirt, etc. has adhered to the mirror, remove it using a air blower available on the market.

Characteristic Phenomenon of CCD Cameras

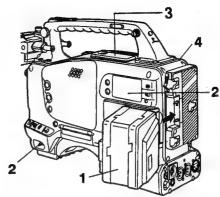
Smea

Smear occurs when shooting high-intensity subjects, and occurs more easily as the electronic shutter speed increases.

Inspections Before Shooting

Perform the following inspections before shooting to check that all systems are operating properly. Checking the image with a colour monitor is recommended.

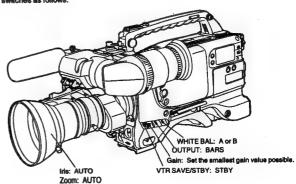
Inspection Preparations



- 1 Insert a charged battery pack.
- 2 Set the POWER switch to ON and check that the HUMID display does not appear and that five or more bars of the remaining battery level display are lighted.
 - elf the HUMID display appears, wait until the display goes off.
 - elf five or more bars of the remaining battery level display are not lighted, replace the battery pack with a sufficiently charged battery pack.
- 3 Check that there are no cables, etc. around the cassette holder and top panel, and then press the EJECT button to open the cassette holder.
- Check the following items, and then insert a cassette and close the cassette holder.
 The cassette is not set to the write protect status.
 - There is no slack in the tape.

Inspecting the Camera Section

Set the switches as follows.



Inspections Before Shooting

Inspecting the Viewfinder

- Adjust the position of the viewfinder.
- 2 Check that the colour bar appears on the viewfinder screen, and then adjust the BRIGHT, CONTRAST and PEAKING controls so that the colour bar appears clearly on the viewfinder.
- 3 Check the following items.
 - Set the MENU SET/OFF switch to SET and check that the setting menu appears on the viewlinder screen.
 - (2) Press the PAGE button and check that the setting menu page changes.
 - (3) Press the SHIFT/ITEM switch and check that the cursor moves within the page.
 - (4) Press the UP or DOWN button to check that the setting or ON/OFF display of the item selected with the cursor changes.
- 4 Set the OUTPUT/AUTO KNEE switch to CAM and switch the FILTER knob to 1, 2, 3 and 4. Check that the number bill the FILTER display on the viewfinder screen changes in accordance with the knob position.
- 5 Perform the following operations to check that the (I) lamp lights when the items set to ON at the (I) LED page are operated.
 - (1) Set the gain to any value other than 0 dB with the GAIN switch.
 - (2) Set the SHUTTER switch to ON.
 - (3) Set the WHITE BAL switch to PRST.
 - (4) Insert the lens extender.
 - (5) Set the FILTER knob to any position other than "1".
- 6 Press the SHUTTER switch repeatedly from the ON position to the SEL side and check that the shutter setting on the viewfinder screen changes.
- 7 Aim the lens at an appropriate subject and turn the focus ring to bring the subject into focus. Check the image appearing in the viewfinder.
- 8 Set both the AUDIO IN CH1 and CH2 switches to FRONT [MIC] and set LEVEL METER on the VF DISPLAY page of the setting menu to ON. Check that the audio level appears on the viewfinder screen when sound is input from the microphone connected to the MIC IN jack on the front panel. Then, check that the audio level disappears from the viewfinder screen when LEVEL METER on the VF DISPLAY page of the setting menu is set to OFF.
- 9 Check that the zebra pattern appears on the viewfinder screen when the ZEBRA switch is set to ON, and disappears when the ZEBRA switch is set to OFF.

<Note>

The items and functions in steps 3 to 6 may not be displayed or may not operate depending on the setting conditions. Set the unit to engineer mode, set DISPLAY MODE on the VF DISPLAY page of the setting menu it "3", and then set the required items at the SHUTTER SPEED, (I) LED and MENU SELECT 1/3 to 3/3 pages.

Inspecting the Iris and Zoom Functions

- 1 Set the zoom to electric zoom mode and check the electric zoom operation. Check that the image changes to telephoto and wide angle.
- 2 Set the zoom to manual zoom mode and check the manual zoom operation. Turn the manual zoom lever and check that the image changes to telephoto and wide angle.
- 3 Set the iris to automatic adjustment mode and aim the lens at subjects with differing brightness to check that the automatic iris adjustment functions.
- 4 Set the iris to manual adjustment mode and turn the iris ring to check the manual iris adjustment.
- 5 Hold down the instant iris automatic adjustment button and aim the lens at subjects with differing brightness to check the instant iris automatic adjustment performance.
- 6 Return the iris to automatic adjustment mode and change the GAIN switch setting to L, M and H to check the following items.
 - The iris is adjusted with respect to subjects with the same brightness in accordance with the switch setting
 - •The gain value display on the viewfinder screen changes in accordance with the switch setting.
- 7 When a lens with an extender is mounted, set the extender to the used position to check that the extender functions properly.

Perform "(1) Tape Running Inspections" to "(4) Earphone and Speaker Inspections" below consecutively.

Inspecting the VTR Section

(1) Tape Running Inspections

- 1 Set the VTR SAVE/STBY switch to SAVE and check that the VTR SAVE lamp inside the viewfinder lights.
- 2 Set the VTR SAVE/STBY switch to STBY and check that the VTR SAVE lamp goes off.
- 3 Set the F-RUN/R-RUN switch to R-RUN.
- 4 Set the DISPLAY switch to CTL.
- 5 Press the unit's VTR START button and check the following items.
 - The tape reels turn.
- The counter display number changes.
- The REC lamp inside the viewfinder lights.
- The RF and SERVO lamps in the display window do not light.
- 6 Press the unit's VTR START button again. Check that the tape stope and the REC lamp inside the viewfinder goes off.
- 7 Check the same operations as in steps 5 and 6 using the VTR button of the lens.
- 8 Press the RESET button and check that the counter display number changes to "00:00:00:00"
- 9 Set the LIGHT switch to ON and check that the display window is illuminated.
- 10 Press the REW button and then press the PLAY button after the tape has rewound for a while. Check that the recording, playback and rewind operations are performed properly.
- 11 Press the FF button and check that fast forward operation is performed properly.

Inspections Before Shooting

(2) Inspection of Audio Level Automatic Adjustment Functions

- 1 Set the AUDIO SELECT CH1/CH2 switch to AUTO.
- 2 Set the AUDIO IN CH1/CH2 switch to FRONT [MIC].
- 3 Aim a microphone connected to the MIC IN jack at an appropriate sound source and check that the level display for both CH1 and CH2 changes in accordance with the sound level.

(3) Inspection of Audio Level Manual Adjustment Functions

- 1 Set the AUDIO IN CH1/CH2 switch to FRONT [MIC].
- 2 Set the AUDIO SELECT CH1/CH2 switch to MAN.
- 3 Turn the AUDIO LEVEL CH1/CH2 controls and check that the level display increases when the controls are turned to the right.

(4) Earphone and Speaker Inspections

- 1 Set the VTR SAVE/STBY switch to STBY.
- 2 Turn the MONITOR control and check that the speaker volume changes.
- 3 Connect an earphone to the PHONES jack. Check that the sound to the speaker is cut off and that the microphone sound can bit heard from the earphone.
- 4 Turn the MONITOR control and check that the earphone volume changes.

(5) Inspections when Using an External Microphone

- 1 Connect an external microphone to the AUDIO IN CH1 and CH2 connectors.
- 2 Set the AUDIO IN CH1/CH2 switch to REAR [MIC].
- 3 Aim the microphone at a sound source and check that the audio level meter in the display window and the audio level display inside the viewfinder change in accordance with the sound level. Each channel can also be checked separately by connecting a single microphone to each channel.

(6) Time Code and User Bit-Related inspections

- Set the user bit as necessary.
 See "Setting the User Bit" (page 78) for a description of setting methods.
- 2 Set the time code.

 See "Setting the Time Code" (page 77) for a description of setting methods.
- 3 Set the F-RUN/R-RUN switch to R-RUN.
- 4 Press the VTR START button. Check that the tape runs and the counter display number changes.
- 5 Press the VTR START button again. Check that the tape stops and the counter display number stops changing.
- 6 Set the F-RUN/R-RUN switch to F-RUN. Check that the counter display number changes regardless of the tape running status.
- Check that the set user bit is displayed.

MEMO

MAINTENANCE DISASSEMBLY PROCEDURES

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1. Maintenance Parts

1-1. Maintenance Schedule

			Using Hours (hrs))
No.	Name	Part Number	500	1000	2000	3000
	Tape Path Cleaning		•	•	•	
1	Cylinder Unit	VEG1337		•	•	0
2	A/C Head	VBR0301				0
3	S Reel(Rotor Unit)	VXP1681				0
4	T Reel(Rotor Unit)	VXP1681				0
5	Loading Motor 1 Unit	VEM0584				0
6	Pinch Arm Unit	VXL2684		●*1	•*1	0
7	M Cassette Brake Base Unit	VXA5792				0
8	Mode Switch Unit	VES0814				0
9	Cleaning Arm Unit	VXL2748		•	•	0
10	Pinch Solenoid	VSJ0217				0
11	MIC Base Unit	VXA5583				0
12	S1 Loading Arm Unit	VXL2709				0
13	T1 Boat Unit	VXA5852				0
14	Cleaner Solenoid	VSJ0222				0
15	S Post Base Unit	VXA5553				0
16	Tension Arm Unit	VXL2734				0
17	Main Cam Gear	VDG1168				0
	Cassette Up Unit	VXA5870				●*2
	Mech. Chassis Unit (NTSC)	VXY1169				•
	Mech. Chassis Unit (PAL)	VXY1229				•

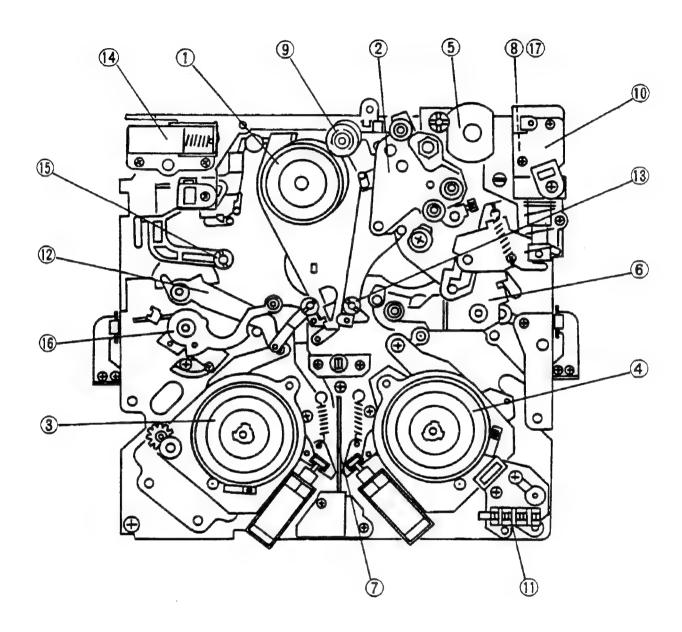
Note: Using Hours are based on the head rotation hours.

Using hours are recommendation. It may depend on temperature, humidity or dusty.

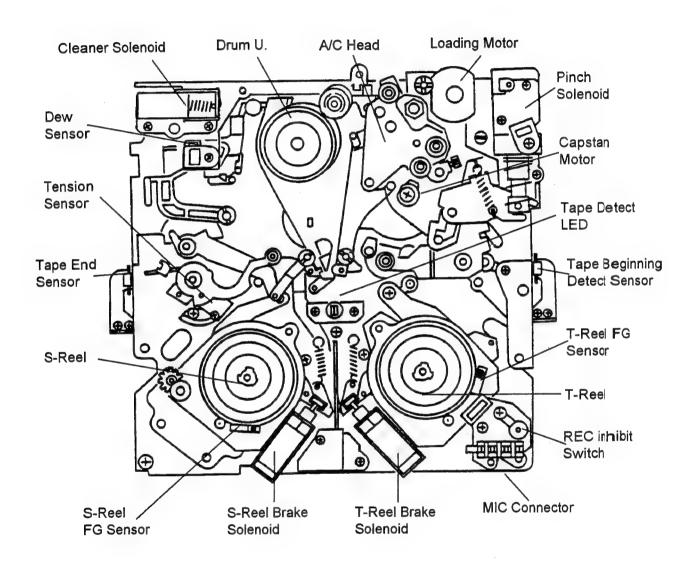
Using hours are listed as the reference of maintenance. They do not mean guarantee hours.

- © : These parts are included in Mech. Chassis Unit. Replacing Mech. Chassis Unit is recommended.
- *1. The lubrication is necessary when replacing the Pinch Arm Unit.
- *2. The Cassette Up Unit is a part of Mech. Chassis Unit.
- *3. The Mech. Chassis Unit includes Servo P.C.Board.

1-2. Parts Location

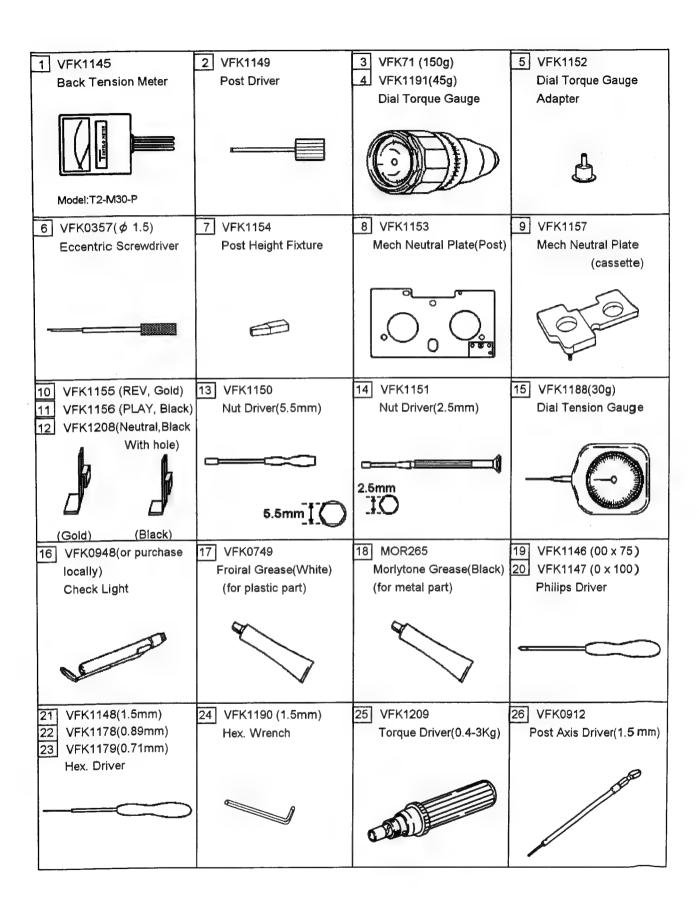


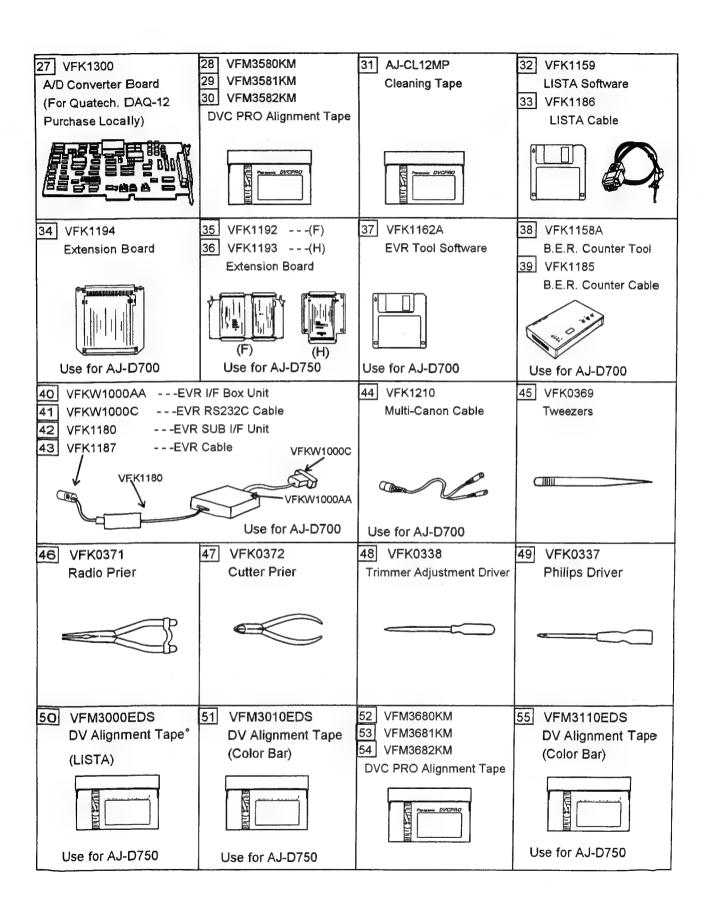
2. Sensors Location



3. Jig & Tools

Fig	ITEM	PART No.	JIG & EQUIPMENT	AJ-D700	AJ-D750	Remark
	Jig Tool	VFK1145	Back Tension Meter(T2-M30-P)	yes	yes	
2		VFK1149	Post Driver	yes	yes	
3		VFK71	Dial Torque Gauge(150g)	yes	yes	
4		VFK1191	Dial Torque Gauge(45g)	yes	yes	
5		VFK1152	Dial Torque Gauge Adaptor	yes	yes	
6		VFK0357	Eccentric Screwdriver(1.5)	yes	yes	
7		VFK1154	Post Height Fixture	yes	yes	
8		VFK1153	Mech. Neutral Plate(Post)	yes	yes	
9		VFK1157	Mech. Neutral Plate(Cassette)	yes	yes	
10		VFK1155	Neutral Position Tool(Gold)	yes	yes	
11		VFK1156	Neutral Position Tool(Black)	yes	yes	
12		VFK1208	Neutral Position Tool(Black With Hole)	yes	yes	
13		VFK1150	Nut Driver(5.5mm)	yes	yes	
14		VFK1151	Nut Driver(2.5mm)	yes	yes	
15		VFK1188	Dial Tension Gauge(30g)	yes	yes	
16		VFK0948	Check Light	yes	yes	
17		VFK0749	Froiral Grease (for plastic)	yes	yes	
18	-	M0R265	Morlytone Grease (for metal)	yes	yes	
19		VFK1146	Philips Driver(Fine)(00-75)	yes	yes	
20		VFK1147	Philips Driver(Fine)(0-100)	yes	yes	
21		VFK1148	Hex.Driver(1.5)	yes	yes	
22		VFK1178	Hex.Driver(0.89)	yes	yes	
23		VFK1179	Hex.Driver(0.71)	yes	yes	
24		VFK1190	HEX. Wrench	yes	yes	
25].	VFK1209	Torque Driver(0.4-3Kg)	yes	yes	
26		VFK0912	Post Axis Driver(1.5mm)	yes	yes	
27		VFK1300	A/D Board (DAQ-12 Quatech)	yes	yes	Purchase locally
28		VFM3580KM	Alignment Tape(No.1)	yes	yes	for NTSC
29		VFM3581KM	Alignment Tape(No.2)	yes	yes	for NTSC
30	-	VFM3582KM	Alignment Tape(No.3)	yes	yes	for NTSC
31		AJ-CL12MP	Cleaning Tape	yes	yes	SALES
32		VFK1159	LISTA Software	yes	yes	
33		VFK1186	LISTA CABLE	yes	yes	
34		VFK1194	EXTENSION BOARD	yes	no	
35		VFK1192	F EXTENSION BOARD	no	yes	
36		VFK1193	H EXTENSION BOARD	no	yes	
37		VFK1162A	EVR Tool Software		no	
38	4	VFK1158A			no	
39		VFK1185			no	
40		VFKW1000AA			no	
41		VFKW1000C			no	
42		VFK1180	EVR SUB I/F Unit		no	
43		VFK1187			no	
44		VFK1210			no .	
45		VFK0369			yes	
46		VFK0371	Radio Prier		yes	
47	- 1	VFK0372			yes	
48		VFK0338			yes	
49		VFK0337			yes	
50		VFM3000EDS			yes	
51		VFM3010EDS				for NTSC
52	4	VFM3680KM				for PAL
53		VFM3681KM				for PAL
54		VFM3682KM				for PAL
55		VFM3110EDS				for PAL
56		VFK1160A			/es	
57		VFK1163	RF Auto Adjustment Tool	no j	/es	





56 VFK1160A	57 VFK1163		
	RF Auto Adjustment Tool		
RF Auto Adjustment Soft	Auto Adjustment 1001		
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Recommended Test And Service Equipment

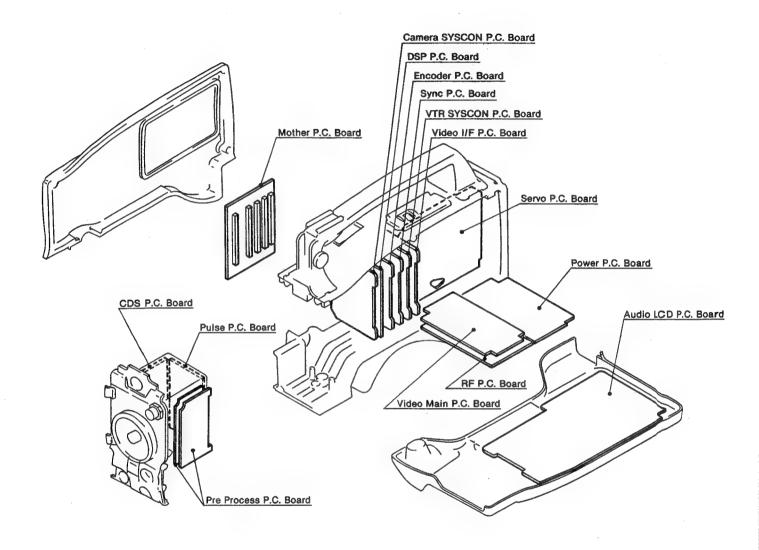
NTSC

Part No.	Name	Remark
TSG130A(OP.04)	Analog Component Signal Generator	TEKTRONIX
	Oscilloscope	TEKTRONIX
1760(OP.SC)	Waveform / Vector Monitor	TEKTRONIX
or 1780R		
	Digital Volt Meter	
	Frequency Counter	
	VTVM	
	Distortion Meter	
	CR Oscillator	

PAL

Part No.	Name	Remark
TSG131A(OP.04)	Analog Component Signal Generator	TEKTRONIX
	Oscilloscope	TEKTRONIX
1751(OP.SC) or 1781R	Waveform / Vector Monitor	TEKTRONIX
	Digital Volt Meter	
	Frequency Counter	
	VTVM	Frequency Band Width 4Hz-500KHz
	Distortion Meter	
	CR Oscillator	

4. Boards Location



5. Alignment Tapes

DVCPRO Alignment Tape

------ for NTSC ------

VFI	и358	OKM ((NTSC)	Ì
-----	------	-------	--------	---

Time	Vide	eo	P	PCM		UE
(min)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar	Composite				
	SMPTE(75%)	Video Level		:		
		Confirmation			1kHz 0VU	CUE Level
7:00	Color Bar	Component				Confirmation
	Full Field(75%)	Video Level	1kHz -20dB	Audio Level		
		Confirmation]	Confirmation		
14:00	H Sweep	Frequency			6kHz 0VU	A/C Head
		Response				Azimuth
18:00	Bowtie(500k)	Y/C Timing				
22:00	Pulse&Bar	Y/C Timing			1kHz	Frequency
26:00	Area Markers				300Hz∼6kHz	Response
30:00						

VFM3581KM (NTSC)

Time(min)	Signal		
0:00~20:00	ITI Pattern		

VFM3582KM (NTSC)

Time(min)	Signal
0:00~10:00	X Value

for PAL

VFM3680KM (PAL)

Time	Vid	eo		PCM	CUE	
(min)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar	Video Level			1kHz	CUE Level
	100%	Confirmation			Reference level	Confirmation
10:00	H Sweep	Frequency	1kHz	Audio Level		
		Response	-18dBu	Confirmation		
14:00	Area Markers				6kHz	A/C Head
					Reference level	Azimuth
18:00	Bowtie(500k)	Y/C Timing			1	
22:00	Pulse & Bar	Y/C Timing			1kHz 300Hz~6kHz	Frequency Response
26:00 30:00	Multi Pulse	Y/C Timing			000112 ON 12	ТСЭРОПЭС

VFM3681KM (PAL)

Time (min)	Signal	
0:00 ~ 20:00	ITI Pattern	

VFM3682KM (PAL)

Time (min)	Signal
0:00 ~ 10:00	X Value

6. Service Menu

This menu allows service personnel to service the AJ-D800. Adjustment procedures give a detail of how to use.

SERVICE	E ADJ	
GAMMA(SERV)	:	ON
R GAMMA(SERV)	:	
B GAMMA(SERV)	:	
TEST PULSE	:	OFF
ECU CONNECT	•	ECU
CONCEAL	:	ON
INNER ECC	:	ON
OUTER ECC	:	ON
IF ADJ	:	OFF
SERVO MODE	:	ATF

This menu sets the modes for servicing.

ITEM	RANGE	PRESET	REMARK
GAMMA (SERV)	ON/OFF	ON	GAMMA settings become effective.
R GAMMA (SERV)	-10~+10		Setting of Rch GAMMA.
B GAMMA (SERV)	-10~+10		Setting of Bch GAMMA.
TEST PULSE	ON/OFF	OFF	TEST PULSE becomes available.
ECU CONNECT	ECU/EVR	ECU	Connection with ECU connector.
CONCEAL	ON/OFF	ON	
INNER ECC	ON/OFF	ON	
OUT ECC	ON/OFF	ON	
IF ADJ	ON/OFF	OFF	Turn ON when adjusting VTR I/F.
SERVO MODE	ATF/CTL	ATF	Selection of SERVO MODE

This menu allows service personnel to service the AJ-D800. Adjustment procedures give a detail of how to use.

VTR D/A DATA

(01) 98 (02) 68 (03) 7B (04) B0 (05) 00 (06) 00 (07) 8F (08) 92 (09) 41 (0A) 44 (0B) 83 (0C) 54 (0D) 50 (0E) BD(0F) B4 (10) D0 (11) 3B (12) 88 (13) 88 (14) 00 (15) 00 (16) 00 (17) 00 (18) 00 (19) 8B (19) 92 (1A) 74 (1B) 87 (1D) 7F (1E) 64 (1F) 4F (20) 9D (21) AC(22) 00 (23) 00 (24) FF

The data which are adjusted by EVR are displayed.

ITEM	RANGE	PRESET	REMARK
(00)~(24)			Only displayed.
			·

This menu allows service personnel to service the AJ-D800. Adjustment procedures give a detail of how to use.

BATTERY SETTING	1
11.3V	

The warning is given when the battery voltage is less than the above value.

11.0V~13.0V	44.004	
1	11.3V	Adjusted by 0.1V step.

This menu allows service personnel to service the AJ-D800. Adjustment procedures give a detail of how to use.

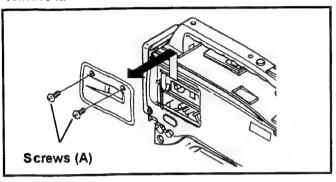
WHITE SHADING
WHITE(DIGITAL)

ITEM	RANGE	PRESET	REMARK
WHITE(DIGITAL)			Execute the Auto White Shading(Digital).

7. Disassembly Procedures

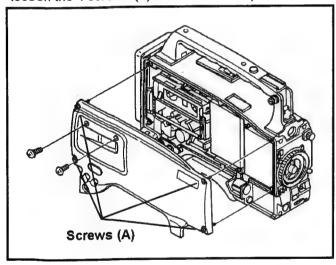
7-1. Removal of Cassette Cover

Remove the 2 screws (A). Slide the cover upward and remove it.



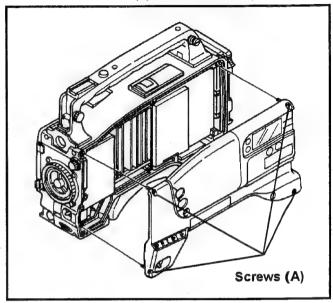
7-2. Removal of Left Side Panel

After removing the cassette cover according to 2-1., loosen the 4 screws (A) and remove the panel.



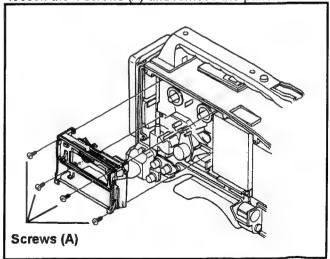
7-3. Removal of Right Side Panel

Loosen the 4 screws (A) and remove the panel.



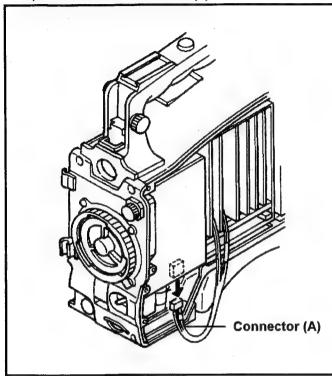
7-4. Removal of Cassette Up Unit

After removing the left side panel according to 2-2., loosen the 4 screws (A) and remove the panel.

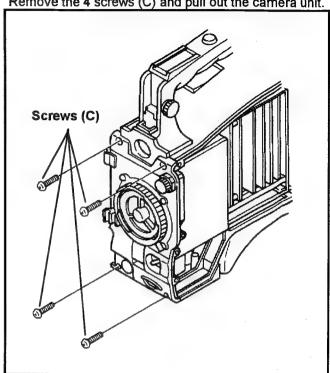


7-5. Removal of Camera Unit

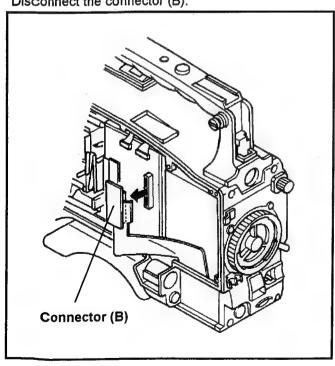
After removing the both panels according to 7-2. and 7-3., disconnect the connector (A).

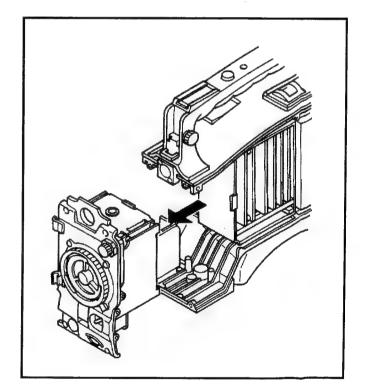


Remove the 4 screws (C) and pull out the camera unit.



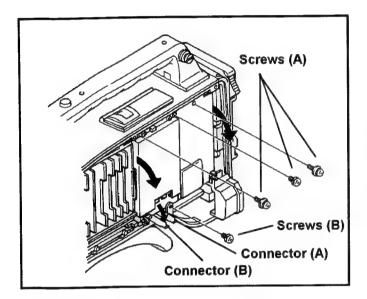
Disconnect the connector (B).





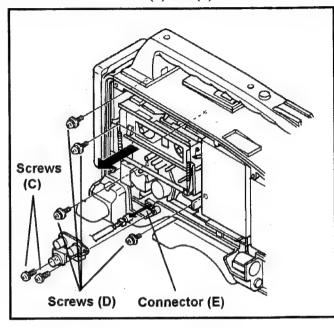
7-6. Removal of Mechanical Chassis Unit

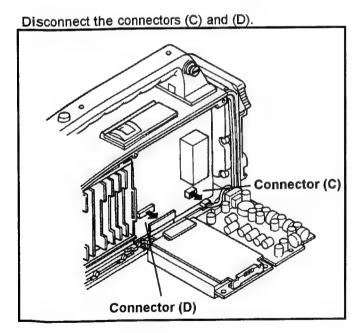
After removing the right side panel according to 7-3., disconnect the connectors (A) and (B). Remove the 3 screws (A) and the screw (B) and lay down the boards.



After removing the left side panel according to 7-2, remove the 2 screws (C) to disconnect the connector (E). Remove the 4 screws (D).

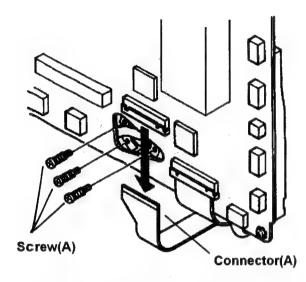
Remove the mechanical chassis with care not to scratch the connectors (A) and (B).



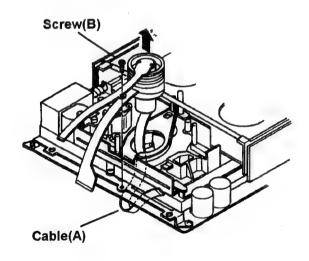


7-7. Removal of Drum Unit

After removing the mechanical chassis according to 7-6., disconnect the connector (A) and the 3 screws (A).



Remove the screw (B) and the drum unit with care not to scratch the cable (A).



8. Mechanical Parts Replacement and Adjustment Procedures

General

When mechanical parts are replaced, pay attention to the following notes.

- 1. Turn power off before replacing any part.
- 2. If any adjustment is required after replacing parts, perform the required adjustments.
- 3. Use proper fixture tools.
- 4. Make sure to clean the parts after replacement, Also when the mechanical parts are replaced, follow the replacement procedure.

8-1. Drum Unit Replacement

(Removal)

- 1. Remove the T1 Guide and Cleaning Arm Unit (Refer to item 8-8).
- 2. After removing the mechanical chassis according to item 7-6., disconnect the connector (A) and the 3 screws (A).

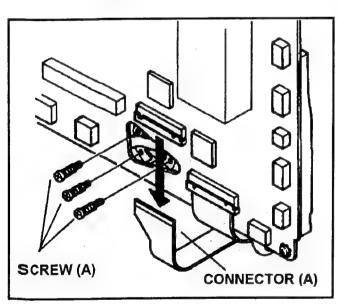


Fig. 8-1-1

Remove the screw (B) and the drum unit with care not to scratch the cable (A).

Note: Be careful when removing the flexible cable from the connector. Refer to the way to remove the connector as shown in Figure 8-1-4.

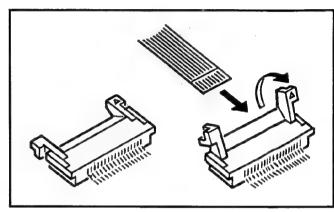


Fig. 8-1-4

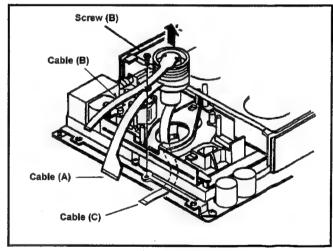


Fig. 8-1-2

Note: Never touch the cylinder with a finger directly when pulling out the Cylinder Unit.

(installation)

- Install the new Cylinder Unit according to the opposite procedures to removing.
- After installing T1 Guide, T1 Guide position adjustment should be performed (Refer to item 8-8-1).

Note: When installing the Cylinder Unit, the pin on Mech. Chassis should match hole of Cylinder Unit as shown in Figure 8-1-3.

Note: Please put the flexible (B) and (C) between copper shield plate (D) and (E) as shown in Figure 8-1-5.

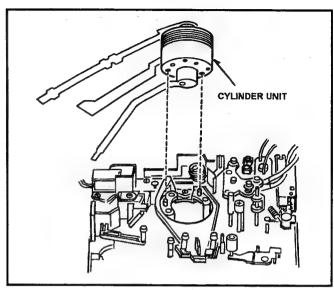


Fig. 8-1-3

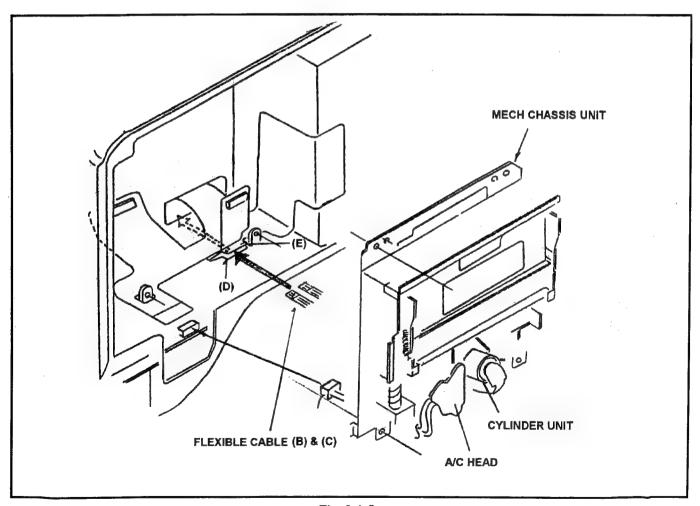


Fig. 8-1-5

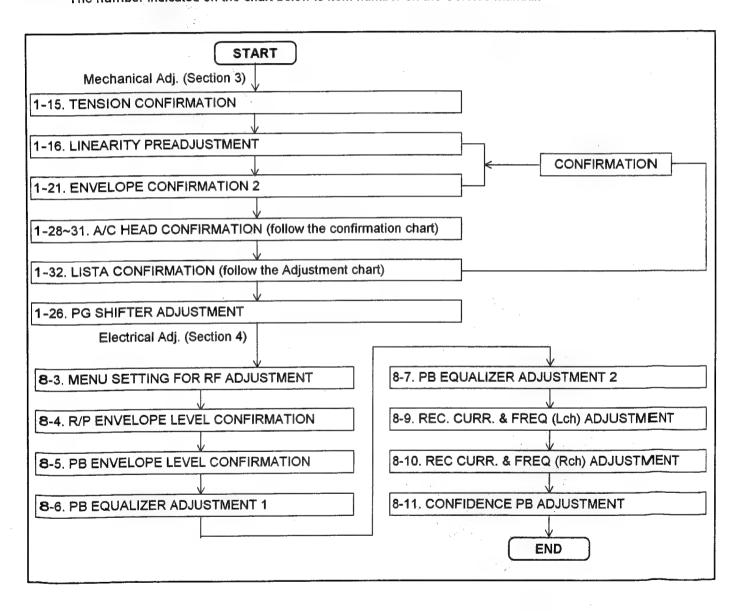
8-1-1. Adjustment Flow Chart After Drum Unit Replacement

1. After changing the Drum Unit, perform the following steps.

Adjustment Flowchart After Drum Unit & Mech. Chassis Replacement

Note: Confirm the tape path linearity before head replacement.

The number indicated on the chart below is item number on the Service Manual.



8-2. A/C Head Replacement

8-2-1. Replacement

Required tools:

Nut Driver (5.5m/m)(VFK1150)

Hex Driver (VFK1148)

Hex Wrench (VFK1190)

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel..
- 2. Remove the Cassette Up Unit.
- 3. Loosen the hex. screw (B) and remove the Nut (C). Pick up the Head Height Adjustment Spring and then remove the A/C Head Unit as shown in Figure 8-2-3.

Point: Memorize the height of Nut (C) before removing the Nut (C),

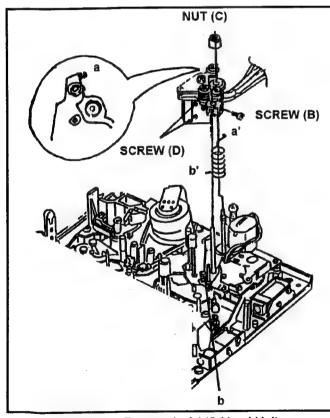


Fig. 8-2-3 Removal of A/C Head Unit

4. Remove the 2 screws (A). Disconnect the connector P1003 on the Rear Jack P.C.Board and P600 on the Servo P.C.Board, and then remove the A/C Head from the A/C Head Plate.

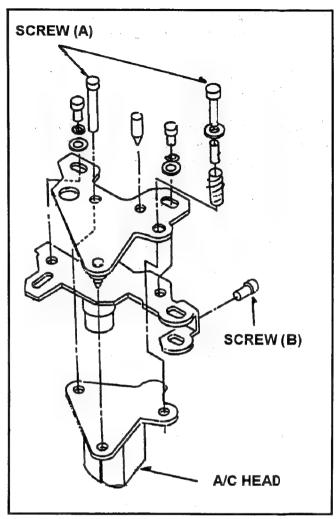


Fig. 8-2-1 Removal of A/C Head

- 5. Remove **2 screws (D)** to remove the Shield Cover as shown in Figure 8-2-3.
- 6. Unsolder the lead wires one by one. (Don't unsolder all wires at the same time.)

(Installation)

- Remove the Shield Case from the New A/C Head and solder the lead wires to New A/C Head (Refer to Figure 8-2-2).
- 2. Re-install the shield case to A/C Head.
- 3. Install the A/C Head to A/C Head Plate and tighten 2 screws (A) so that A/C Head is p arallel to A/C Head Plate.
- 4. Install the A/C Head Unit.
- 5. Put on the Head Height Adjustment Spring and tighten the Nut (C).
- 6. Clean the surface of the A/C Head.

Note: After installing, Mechanical and Electrical Adjustments should be performed.

The hex screw (B) is kept loose until the A/C Head Height Adjustment is completed.

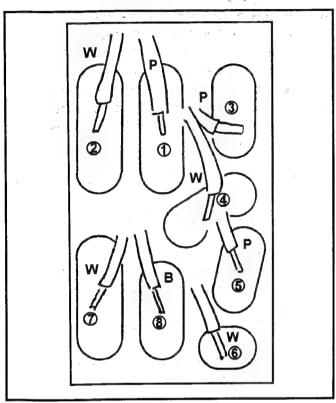
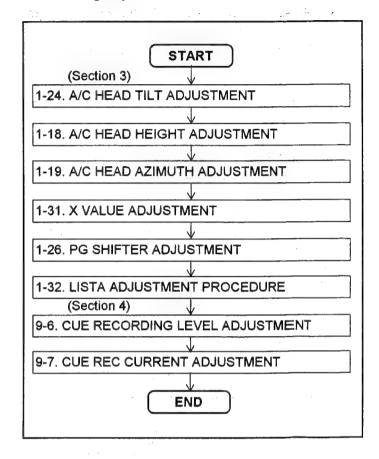


Fig. 8-2-2 Connection of A/C Head

A/C Head Side	Cable Color		Connector No.
1	PINK	YELLOW	
2	WHITE		
3	PINK	RED	P1003
4	WHITE		
5	PINK	GREEN	
6	WHITE		
7	WHITE	YELLOW	P600
8	BLACK		

8-2-2. Adjustment Flowchart After A/C Head Replacement

1. After replacing the A/C Head, perform the following steps.



8-3. Reel Table Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Press the iron core of Brake Solenoid to release the Reel Brake.
- 4. Pull up gently the Supply and Take up Reel Tables.

Note: Handling roughly damages bearings inside Reel Tables.

(Installation)

- Install the Reel Tables according to the opposite procedures to removing.
- After Installing, Main Brake Torque Confirmation (Refer to item 1-4 of Section 3) should be performed.

8-3-1. Supply Reel Rotor Unit Replacement

(Removal)

- 1. Remove Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.

- 3. Remove the connector P614 on the Servo P.C.board.
- 4. Remove the S5 Post (Refer to item 8-14).
- 5. Pull up the Arm Return Spring on the Connection Arm Angle Side.
- 6. Remove the Connection Arm Angle.
- 7. Remove the **Cut Washer (A)** and **(B)** to remove the Idler Arm Unit as shown in Figure 8-3-2.
- 8. Unscrew the 4 screws (C) to remove the Supply Reel Rotor Unit as shown in Figure 8-3-2.
- Unscrew the 2 screws (D) to remove the S-Side M Stopper from Supply Reel Rotor Unit as shown in Figure 8-3-3.

CAUTION: Don't touch FG portion with the magnetized screw driver , when unscrewing the screw (D).

(Installation)

- Install the new Supply Reel Rotor Unit according to the opposite procedures to removing.
- 2. Adjust the height of cassette height pin.
- 3. Adjust the Reel Torque Offset (Refer to item 7-1 of Section 3).
- 4. Confirm the tape tension on playback mode. (Refer to item 1-15.)

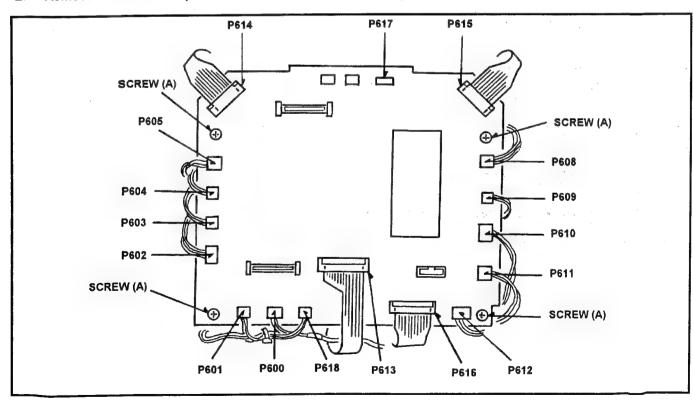


Fig. 8-3-1 Connection of Servo P.C.Board

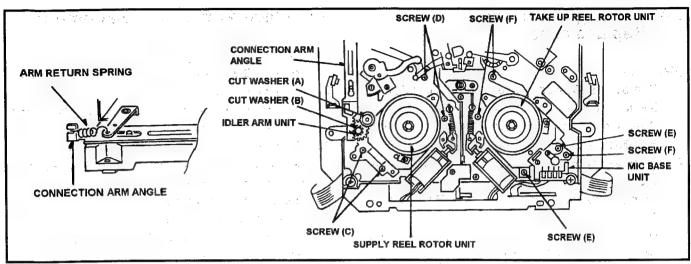


Fig. 8-3-2 Removal of Supply & Take Reel Rotor Unit

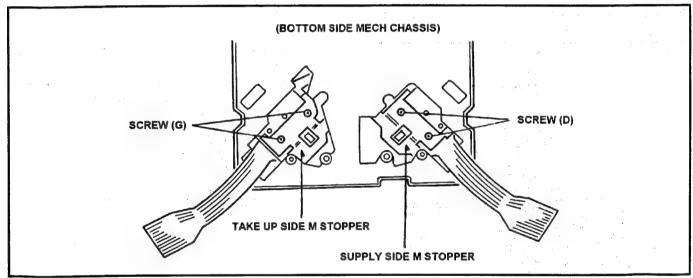


Fig. 8-3-3 Removal of Supply & Take Reel Rotor Unit

8-3-2. Take Up Reel Rotor Unit Replacement

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Remove the Mechanical Chassis Unit (Refer to item 7-6).
- Disconnect the connector P615 on the Servo P.C.Board and unscrews the 2 screws (E) ,and then remove the MIC Base Unit.
- 5. Unscrew the **3 screws (F)** to remove the Take Up Reel Rotor Unit as shown in Figure 8-3-2.

CAUTION: Don't touch FG portion with the magnetized screw driver when unscrewing the **screw (D).**

 Unscrew the 2 screws (G) to remove the T-Side
 M Stopper from Take Up Reel Rotor Unit as shown in Figure 8-3-3.

(Installation)

- Install the new Take Up Reel Rotor Unit a ccording to the opposite procedures to removing.
- Adjust the height of cassette height pin.
- 3. Adjust the Reel Torque Offset (Refer to item 7-1 of Section 3).
- Confirm the tape tension on playbac ★ mode (Refer to item 1-15).

8-4. Loading Motor Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel...
- 2. Remove the Cassette Up Unit.
- 3. Disconnect the connector P611 on Servo P.C.Board as shown in Figure 8-3-1.
- 4. Remove the Pinch Solenoid Unit (Refer to item 8-9).
- 5. Remove the Pinch Solenoid Lever. (Refer to item 8-5).
- 6. Unscrew the screw (B) to remove the Emergency Shaft as shown in Figure 8-4-1.
- 7. Unscrew the 2 screws (C) to remove the Loading Motor Neutral Unit as shown in Figure 8-4-1.
- 8. Unscrew the 2 screws (D) to remove the Loading Motor Unit as shown in Figure 8-4-1.

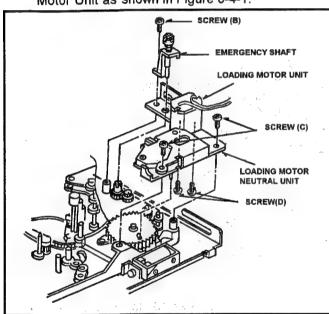


Fig. 8-4-1 Removal of Loading Motor Unit

(Installation)

- Install the new Loading Motor Unit to Loading Motor Neutral Unit and tighten 2 screws (D).
- Install the Loading Motor Neutral Unit and tighten the 2 screws (C) so that the pin of Mode SW Unit matches groove position of main Cam Gear.
- 3. Install the Emergency Shaft and tighten the screw (B).
- 4. Install the Pinch Solenoid Unit. After installing, Pinch Solenoid Position adjustment is required. (Refer to item 1-3 of Section 3).

8-5. Pinch Arm Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Disconnect the **connector P610** on the **Servo** P.C.Board as shown in Figure 8-3-1.
- 4. Remove the Pinch Solenoid Unit (Refer to item 8-9, and pull up the Pinch Solenoid Lever as shown in Figure 8-5-1.
- 5. Remove the **cut washer (A)** to remove the Pinch Solenoid Lever as shown in Figure 8-5-1.
- 6. Remove the cut washer (B) to remove the Pinch Arm Unit as shown in Figure 8-5-1.

(Installation)

 Install the new Pinch Arm Unit according to the opposite procedures to removing. Pinch Solenoid Position Adjustment is required. (Refer to item 1-3 of Section 3.)

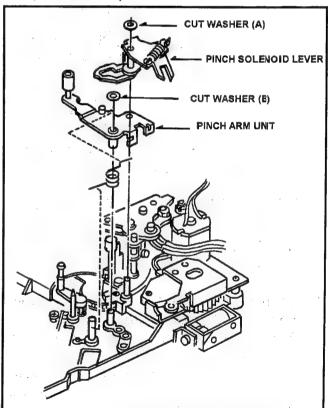


Fig. 8-5-1 Removal of Pinch Arm Unit

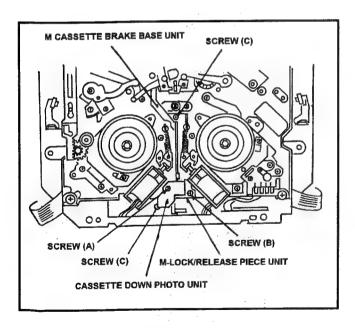
8-6. M Cassette Brake Base Unit Replacement

(Removal)

- Remove the Cassette Cover and Remove the Left Side Panel.
- 2. Remove the Cassete Up Unit.
- 3. Remove the Mech Chassis Unit (Refer to item 7-
- Disconnect the all connectors on Servo P.C.Board. Unscrew the 4 screws (A) to remove the Servo P.C.Board as shown in Figure 8-3-1.
- Unscrew the screw (A) to remove the Cassette Down Photo Unit.
- Unscrew the screw (B) to remove the M-Lock/Release Piece Unit.
- 7. Unscrew the 2 screws (C) to remove the M cassette Brake Base Unit. Then pick up the pin of Eject Arm Unit.

(Installation)

 Install the new cassette Brake Base Unit according to the opposite procedures to removing.



8-7. Mode Select Switch Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Disconnect the **connector P612** on the **Servo** P.C.Board as shown as Figure 8-3-1.
- 4. Remove the Pinch Solenoid Unit and Loading Motor Neutral Unit (Refer to item 8-4).
- 5. Remove the screw (D) to remove the Mode Select Switch Unit from Loading Motor Neutral Unit as shown in Figure 8-7-1.

(Installation)

 Install the New Mode Select Switch Unit according to the opposite procedures to removing. (Please refer to item. [8-4. Loading Motor Unit Replacement.])

Note: Confirm that the pin of Mode Switch Unit matches groove of Main Cam Gear.

2. After installing the Pinch Solenoid Unit, Pinch Solenoid Position adjustment is required (Refer to item 1-3 of Section 3).

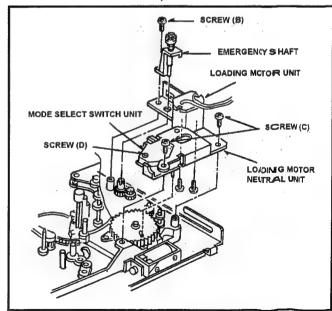


Fig. 8-7-1 Removal of Mode Select Switc h Unit

8-8. Cleaning Arm Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- Unscrew the 2 screws (C) to remove the BNC JACK P.C.Board as shown in Figure 8-8-3.
- 3. Unscrew the 2 screws (A) to remove the T1 Guide.
- 4. Pick up the tip portion (B) of Cleaning Arm Unit and remove the spring from Cleaner Arm Unit. Then remove the Cleaning Arm Unit as shown in Figure 8-8-1.

(Installation)

- 1. Install the cleaning Arm Unit, then hang the spring on Cleaning Arm Unit.
- 2. Install the T1 Guide and tighten 2 screws (A).
- 3. Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller is rotated when the cylinder is rotated by hand.
- 4. T1 Guide position adjustment should be performed.

8-8-1. T1 Guide Position Adjustment

Place the unit in Loading completion mode.

< How to Make the No Tape Loading >

- Set a black tube to TAPE LED sensor.
- Turn on the power and then the VTR begins loading without tape. And turn power to off.
- 1. Observe the clearance (B) between T1 Guide and T1 post as shown in Figure 6-8-3. And make sure that it is within 0.2 to 0.5mm.
- If not, loosen the 2 screws (A) and adjust the position of T1 Guide by moving to arrow direction (G G) so that the clearance (B) is within specification. And tighten the 2 screws (A).

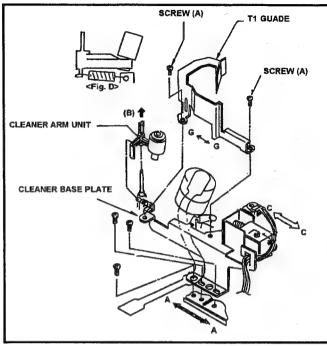


Fig. 8-8-1 Removal of Cleaner Roller Unit

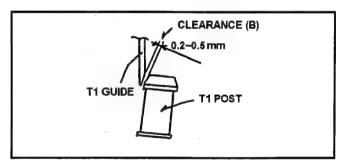


Fig. 8-8-2 Adjustment of T1 Guide

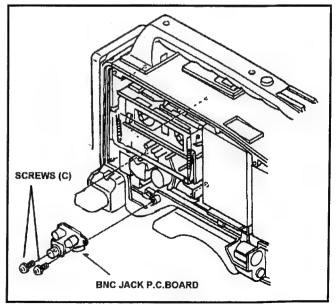


Fig. 8-8-3 Removal of BNC JACK P.C.Board

8-9, Pinch Solenoid Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Disconnect the connector P610 on the Servo P.C. Board as shown in Figure 8-3-1.
- 4. Unscrew the 2 screws (A) and remove the Pinch Solenoid Unit as shown in Figure 8-9-1.
- Unscrew the 2 screws (B) and remove the Pinch Solenoid Angle as shown in Figure 8-9-1.
- 6. Unscrew the 2 screw s (C) and remove the Pinch Solenoid from the Pinch Solenoid Base.

(Installation)

- Install the new Pinch Solenoid according to the opposite procedures to removing.
- After installing, Pinch Solenoid Position Adjustment is required. (Refer to item 1-3 of Section 3.)

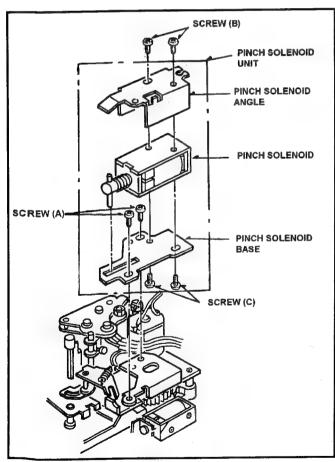


Fig. 8-9-1. Removal of Pinch Solenoid

8-10. MIC Base Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Disconnect the connector P607 on Servo P.C.Board.
- 4. Unscrew the **2 screws (A)** and remove the MIC Base Unit as shown in Figure 8-10-1.

(Installation)

- 1. Install the new MIC Base Unit according to the opposite procedures to removing.
- 2. Confirm that the M cassette touches to MIC Base Unit properly.

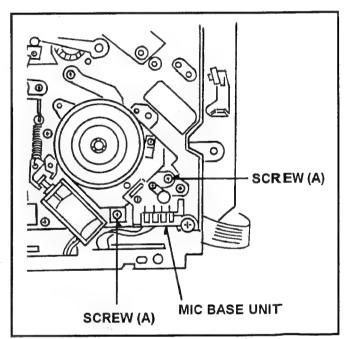


Fig. 8-10-1 Removal of MIC Base Unit

8-11. S1 Post Loading Arm Unit Replacement and Adjustment

(Removal)

- Remove the Cassette Cover and Left Side Panel.
- Remove the Cassette up Unit. 2.
- Remove the S5 Post Base Unit (Refer to item 8-
- 4. Remove the Tension Arm Unit (Refer to item 8-
- Unscrew the screw (A) and remove the S1 Post from Loading Rail as shown in Figure 8-11-1.
- Remove the Cut Washer (B) and remove the S1 Loading Arm Unit as shown in Figure 8-11-1.

(Installation)

- Install the new S1 Loading Arm Unit according to the opposite procedures to removing. Then S1 Post Loading Arm Unit Phase Adjustment should be performed as shown below.
- 2. After installing, confirm that the S1 Post moves smoothly on the Loading Rail.
- Tension Arm (Refer to item 1-7 of section 3), Post Height Pre-Adjustment (Refer to item 1-5 of section 3) and Linearity Adjustment (Refer to item 1-13 of section 3 [Tape Path Adjustment Procedure]) should be performed.

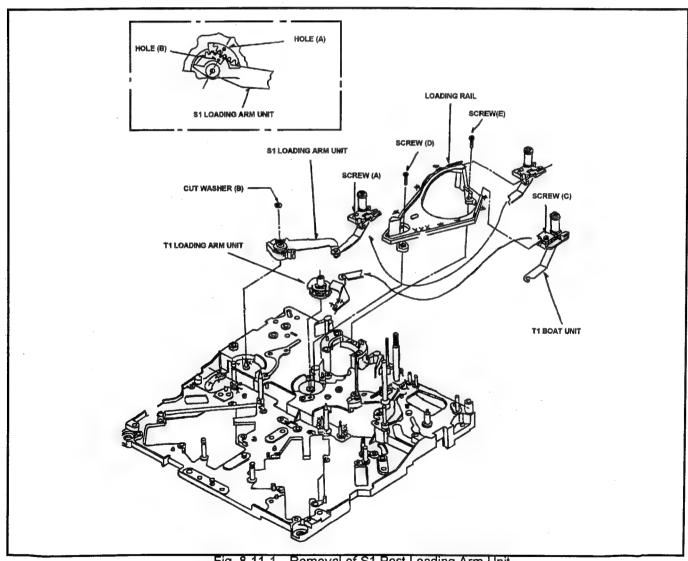


Fig. 8-11-1 Removal of S1 Post Loading Arm Unit

(Adjustment)

1. Adjust S1 Post Loading Arm Unit so that the hole (A) should match hole (B) as shown in Figure 8-11-1.

8-12. T1 Boat Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Unscrew the screws (C), and remove the T1 Post from Loading Rail as shown in Figure 8-11-1.
- 4. Remove the T1 Boat Unit from T1 Loading Arm Unit as shown in Figure 8-11-1.

(Installation)

- Install the new T1 Boat Unit according to the opposite procedures to removing.
- 2. After installing, confirm that the T1 Post moves smoothly on the Loading Rail.
- Linearity adjustment (Refer to item 1-13 of section 3 [Tape Path Adjustment Procedure]) should be performed.

8-12-1. T1 Loading Arm Unit Replacement and Adustment

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Remove the cylinder Unit (Refer to item 8-1).
- Move the T1 Post to loading direction until the screw (D) can be removed as shown in Figure 8-11-1
- Unscrew the 2 screws (A) and (C), and then remove the S1 and T1 Post from Loading Rail as shown in Figure 8-11-1.
- Unscrew the 2 screws (D) and (E), and then remove the Loading Rail as shown in Figure 8-11-1.
- 7. Remove the T1 Loading Arm Unit as shown in Figure 8-11-1.

(Installation)

 Install the T1 Loading Arm Unit according to the opposite procedures to removing. Then Phase Adjustment should be performed as follows.

Note: This unit should be replaced simultaneously with Cylinder Unit. It makes Replacement of T1 Loading Arm Unit easier.

(Adjustment)

- 1. When installing the T1 Boat Unit, the hole (A) should match hole (B) as shown in Figure 8-12-1.
- 2. After installing, confirm that the S1 and T1 Post move smoothly on the Loading Rail.
- Post Height Pre-adjustment (Refer to item 1-5 of section 3) and Linearity Adjustment (Refer to item 1-13 of section 3 [Tape Path Adjustment Procedure]) should be performed.

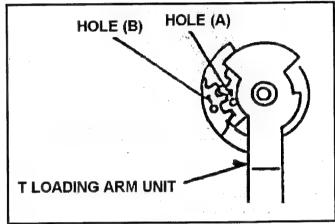


Fig. 8-12-1 Phase Adjustment of T1 Loading Arm Unit

8-13. Cleaner Solenoid Replacement and Adjustment

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Disconnect the connector P618 on the Servo P.C.Board.
- 4. Unscrew the 2 screws (A) and remove the Cleaner Solenoid Unit as shown in Figure 8-13-1.
- 5. Unscrew the 2 screws (B) and remove the Cleaner Solenoid as shown in Figure 6-1 5-1.

(Installation)

- Install the new Cleaner Solenoid according to the opposite procedures to removing.
- After installing, Cleaner Solenoid Position adjustment should be performed as follows.

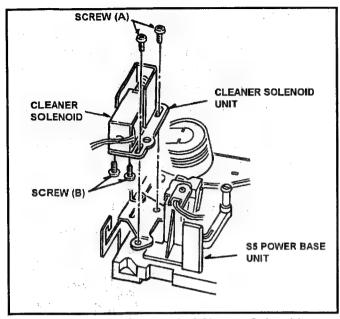


Fig. 8-13-1 Removal of Cleaner Solenoid



※ Required Tools : Eccentric Driver (VFK0357)

- 1. Press the iron core of Cleaner Solenoid.
- Observe the clearance (D) between Cleaning Arm Unit and Cleaner Base Plate as shown in Figure 8-13-2. And make sure that it is within 0.5 to 0.7mm.
- If not, loosen the 2 screws (A) and adjust the position of Cleaner Solenoid Unit by moving to arrow direction (C⇔C) with eccentric driver so that the clearance (D) is within specification. And tighten the 2 screws (A).
- 4. After adjustment, confirm as follows.
- Press the iron core of Cleaner Solenoid to release, and then return the Cleaning Roller to original position.
- Press the iron core of the Cleaner Solenoid and Confirm that the Cleaner Roller is rotated when the Cylinder is rotated by hand.

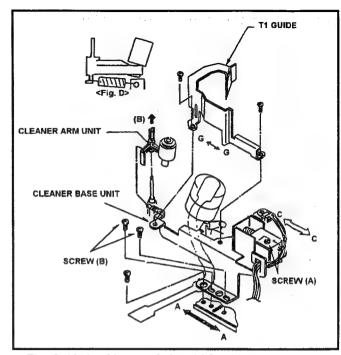


Fig. 8-13-4 Cleaner Solenoid Position Adjustment

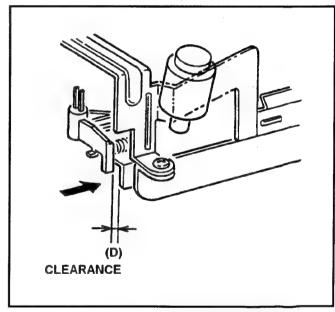


Fig. 8-13-3 Cleaner Solenoid Position Adjustrment

Note: If removing the Cleaner Base Plate, Cleaner roller Position Adjustment should be performed.

8-13-2. Cleaner Roller Position Adjustment

※ Required Tools : Eccentric Driver (VFK0357)

- Observe the clearance (A) between Cleaner Roller and Cylinder Unit as shown in Figure 8-13-3. And make sure that it is within 1.0 to 1.2mm.
- If not, loosen the 2 screws (B) and adjust the position of Cleaner Base Plate by moving to arrow direction (A ⇔ A) with the Eccentric Driver so that the clearance (A) is within specification. And tighten the 2 screws (B).

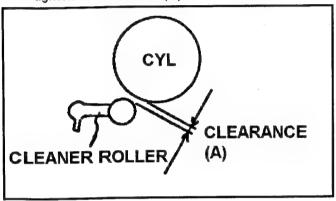


Fig. 8-13-4 Cleaner Roller Position Adjustment

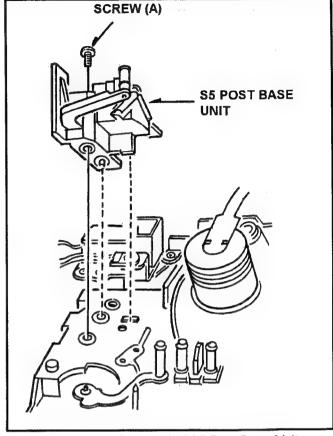


Fig. 8-14-1 Removal of S5 Post Base Unit

8-14. S5 Post Base Unit Replacement

(Removal)

- 1. Remove the Cassette Up Unit
- 2. Unscrew the **screw (A)** and remove the S5 Post Base Unit as shown in Figure 8-14-1.

(Installation)

- Install the S5 post Base Unit according to the opposite procedures to removing.
- After installing, Post Height Pre-adjustment (Refer to item 1-5 of section 3) and Linearity Adjustment (Refer to item 1-13 of section 3 [Tape Path Adjustment Procedure]) should be performed.

8-15. Tension Arm Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Remove the **Cut Washer (A)** and pick up the Tension Regi Spring Then remove the Tension Arm Unit as shown in Figure 8-15-1.

(Installation)

- Install the new Tension Arm Unit according to the opposite procedures to removing.
- 2. After installing, Tension Arm Adjustment should be performed as follows.

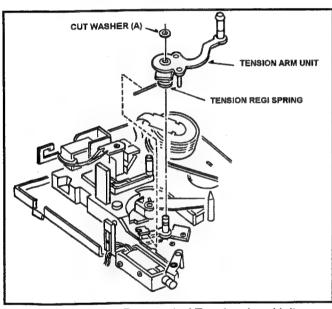
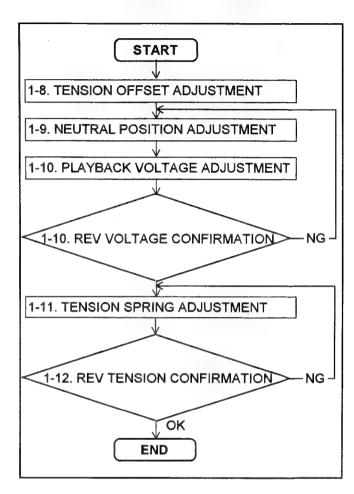


Fig. 8-15-1 Removal of Tension Arm Unit

Tension Arm Adjustment Flowchart



8-16. Main Cam Gear Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Remove the Pinch Solenoid Unit (Refer to item 8-5) and Loading Motor Neutral Unit (Refer to item 8-4).
- 4. Remove the Main Cam Gear as shown in Figure 8-16-1.

(Installation)

- Install the Main Cam Gear so that the pin of Main Cam Arm Unit (※) matches the groove position of Main Cam Gear as shown in Figure 8-16-1.
- 2. Follow the opposite procedures to removing.
- After installing, Pinch Solenoid Position Adjustment is required (Refer to item 1-4 of section 3).

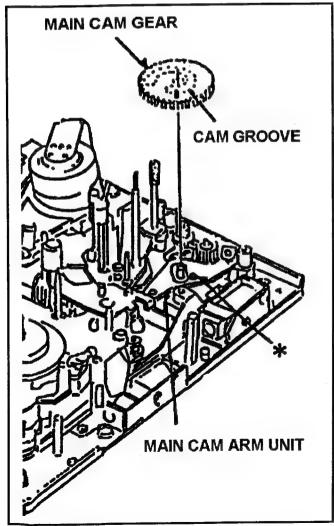


Fig. 8-16-1 Removal of Main Cam Gear

8-17. T4 Post Phase Adjustment

- Confirm that the hole (B) of T4 Connector Gear was matched to hole of T4 Post as shown in figure 8-17-1.
- Confirm the relation between portion (C) of T4
 Connector Gear and hole (A).as shown in
 Figure 8-17-1.

Note: This confirmation should be performed on unloading condition.

3. If not, adjust the phase of T4 post follow the above procedure.

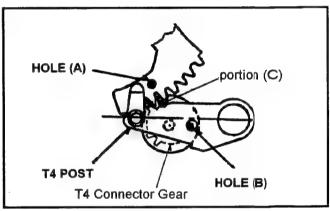
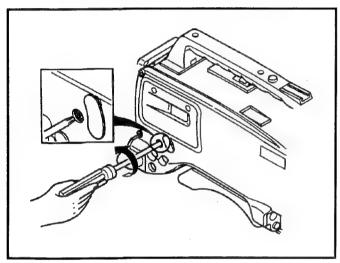


Fig. 8-17-1 Phase of T4 Post

9. Emergency Eject

If the cassette tape cannot be ejected with pressing EJECT button or the cassette tape may be damaged by ejecting it, the cassette tape should be ejected out by the following steps.

- 1. Turn the power off.
- Open the rubber cap above the GEN LOCK IN connector. Push in and rotate the red screw counterclockwise.
- 3. The tape is unloaded with click.
- 4. Continue until the cassette tape is ejected.

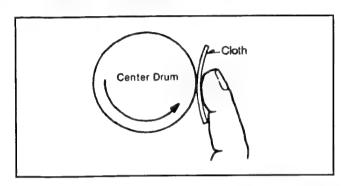


10. Cleaning Procedures

Make sure the power is OFF before cleaning. Use ethanol(more than 99%) as cleaning liquid.

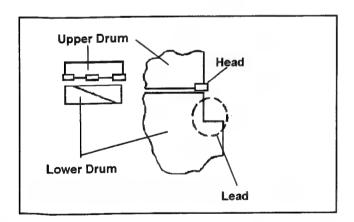
10-1. Cleaning of Head Chips: (Daily)

Clean heads by applying even pressure and rotating cylinder a few times. Never wipe in up and down motion. Never touch a cylinder by naked hand. First wipe with a cloth soaked by cleaning liquid. Then wipe with dry cloth.



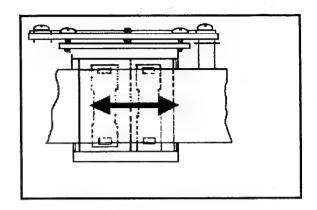
10-2. Cleaning of Drum Lead: (Weekly)

Be careful not to touch a head chip. Clean the drum lead with a pick.



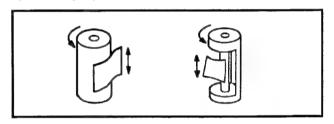
10-3. Cleaning of A/C Head : (Weekly)

Wipe the A/C head with a cloth soaked by cleaning liquid. Wipe again with a dry cloth.



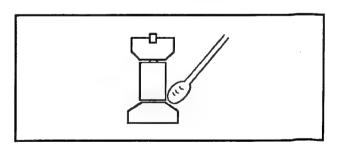
10-4. Cleaning of Pinch Roller and Capstan : (Weekly)

Wipe the Pinch Roller and Capstan with a cloth soaked by cleaning liquid.



10-5. Cleaning of Post : (Weekly)

Wind a cloth on a pick. Wipe each post dry with that pick. Wipe again with a dry cloth. For metal posts wipe with cleaning liquid. Then wipe dry again.



Error No.	NG part	Detected Condition	Check
04	Pinch Solenoid Drive. Reel Brake Solenoid Drive.	Drive current is supplied to solenoids more than 5 seconds.	† Drive circuits of S* or T* Brake Solenoids and Pinch Solenoid. † P610-#1 and #3, P605, P608, IC501-#99
28	Cleaner Solenoid Drive	Drive current is supplied to solenoid more than 30 seconds.	† Drive circuit of Cleaner Solenoid. † IC501-#98
0B	Supply Reel	The condition that the amount of tape running is less than one-eighth of specification lasts more than 5 seconds.	† Reel motor doesn't rotate.→Drive circuit: P614(S*): P615(T*). † Reel brake isn't released.→Drive circuit:
0C	Take-up Reel		P605(S*): P608(T*). † Cassette is not loaded correctly on a reel. † Tape is sticked to drum.
0D	Capstan	The condition that FG frequency is less than half or more than twice of specification lasts more than 1.5 seconds.	
0E	Cylinder	The condition that FG frequency is less than half or more than twice of specification lasts more than 3 seconds, even after cylinder has rotated more than 2 seconds.	P613
0F	Loading	Loading or Unloading is not completed less than 10 seconds.	† Loading motor doesn't rotate. →Drive voltage : P611 † Take-up reel torque is over specification.

Note: Connectors and ICs are located on Servo board.

S* : Supply Reel T* : Take-up Reel

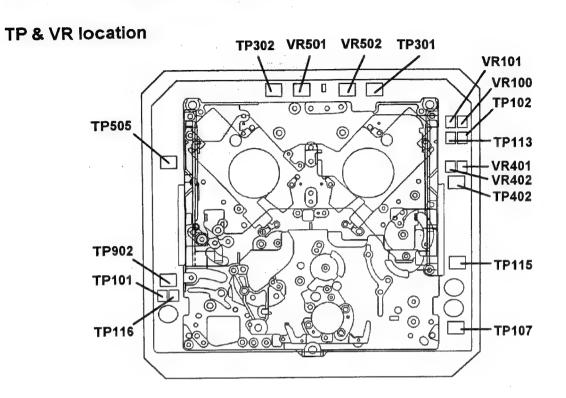
: Pin No.

MECHANICAL ADJUSTMENTS

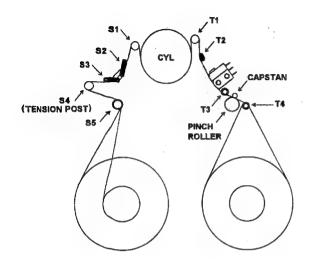
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1. Mechanical Adjustment



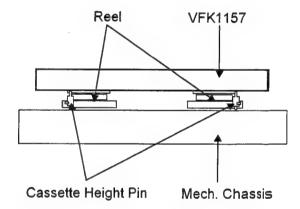
1-1. Name of tape transportation



1-2. Cassette Height Pin Adjustment

SPEC.	No clearance between VFK1157 and cassette height pins.		
ADJUST	Cassette Height Pin		
MODE	EJECT		
M.EQ	VFK1157, VFK1179(0.71mm hex. driver)		

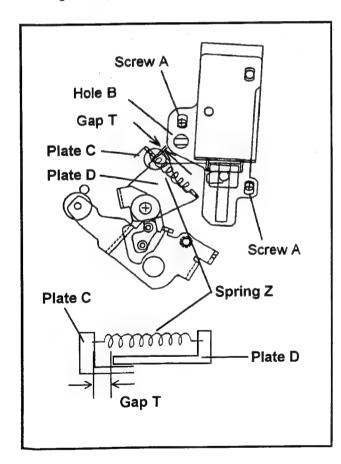
- 1. Remove Mech. Chassis Unit.
- 2. Remove Cassette Up Unit.
- 3. Put Mech. Neutral Plate on Reel Table.
- 4. Confirm no clearance between Mech. Neutral Plate and both Cassette Height Pins.
- 5. If clearance is there, loosen hex. screws of both cassette height pins after melting grew.
- 6. Cassette Height Pins reach Mech. Neutral Plate by themselves.
- 7. Tighten hex.screws and fix them with grew.



1-3. Pinch Solenoid Adjustment

SPEC.	T = 0.3mm	
TEST	GapT	
ADJUST	Screw C, Hole B	
MODE	Eject(Power OFF)	
TOOL	VFK0357	

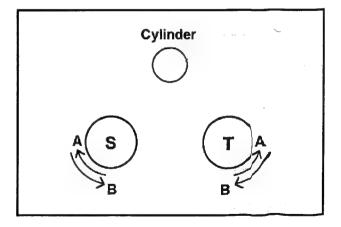
- 1. Confirm the power off.
- 2. Push the pinch roller by hand to be close to capstan.
- 3. Push the pinch solenoid by hand so that the pinch roller contacts capstan.
- 4. Loosen the two screws A.
- 5. Adjust the **hole B** so that **gap T** is within specification
- 6. Tighten the two screws A.



1-4. Main Brake Torque Confirmation

SPEC.	Direction A : more than 80g Direction B : more than 15g	: [*]
TEST	S Reel, T Reel	
MODE	Eject(Power OFF)	
TOOL	VFK71, VFK1191, VFK1152	

- 1. Confirm the power off.
- 2. Remove the Cassette Up Unit.
- 3. Install the adapter(VFK1152) to the torque gauge (VFK71).
- 4. Put the torque gauge on S Reel.
- 5. Turn the torque gauge to **direction A** until **S Reel** slips against brake.
- 6. Confirm the torque is within specification.
- 7. Put the torque gauge on T Reel.
- 8. Turn the torque gauge to **direction A** until **T Reel** slips against brake.
- 9. Confirm the torque is within specification.
- 10. Install the adapter(VFK1152) to the torque gauge (VFK1191).
- 11. Put the torque gauge on S Reel.
- 12. Turn the torque gauge to **direction E** until **S** Reel slips against brake.
- 13. Confirm the torque is within specification.
- 14. Put the torque gauge on T Reel.
- 15. Turn the torque gauge to direction B until T Reel slips against brake.
- 16. Confirm the torque is within specification.



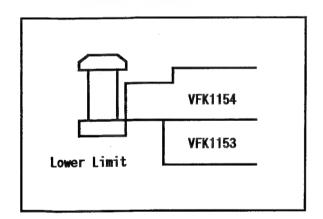
1-5. Post Height Preadjustment

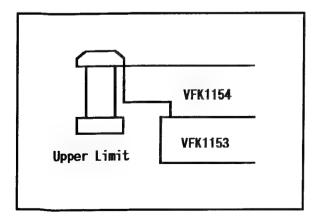
Mode	EJECT (Power OFF)
Tool	VFK1153, VFK1154

- Turn the power OFF and then set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- 2. Install the Mech. Neutral Plate and adjust each post height as shown in figure.

Note. Lower*: Turn S4 and S5 posts 1 round more counterclockwise from lower limit position.

Post	Limit	Post Driver
S4	Lower*	VFK1149
S5	Lower*	VFK1149
Т3	Lower	VFK1151 (2.5 mm Nut Driver)
T4	Lower	VFK1151 (2.5 mm Nut Driver)





1-6. Reel Torque Adjustment

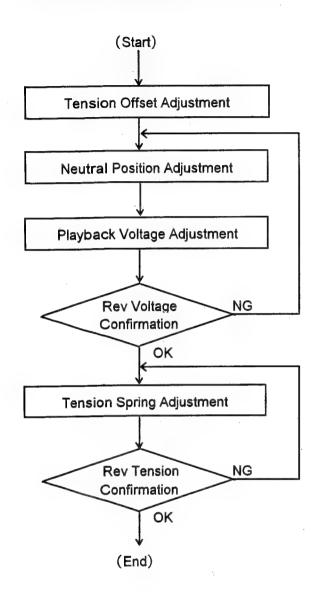
BOARD	Servo
SPEC.	20±2mV
TEST	TP301(S), TP302(T), TG300 (GND)
ADJUST	VR501(T), VR502(S)
MODE	PLAY
M.EQ	Digital Volt Meter

- 1. Confirm the power off and make a short-circuit between **TP116** and **TP505**.
- Turn the power ON and then set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- Hold the S-Reel by hand and press the PLAY key.
- 4. Adjust the VR502 so that the TP301(for S Reel) is within specification.
- Hold the T-Reel by hand and press the PLAY key.
- Adjust the VR501 so that the TP302(for T Reel) is within specification.
- 7. Make a open-circuit between TP116 and TP505.

Note.

1. Make a tube* by yourself.

1-7. Tension Adjustment Flowchart



1-8. Tension Offset Adjustment

BOARD	Servo
SPEC.	2.5±0.05V
TEST	TP402
ADJUST	VR402
MODE	EJECT
M.EQ	Digital Volt Meter

 Adjust the VR402 so that the DC voltage at TP402 is within specification.

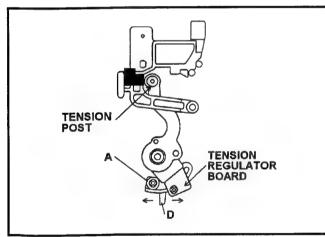
1-9. Neutral Position Adjustment

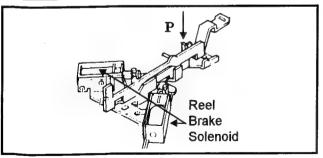
BOARD	Servo	
SPEC.	2.5±0.1V	
TEST	TP402	
ADJUST	Sensor	
MODE	STOP	
M.EQ	Digital Volt Meter, VFK1208	

- 1. Remove the cassette up unit.
- Set the tube* to cover the sensor LED and press the lever P to place the unit in no tape loading mode.
- Install the black spacer with hole(VFK1208) as shown in figure. Adjust the sensor position so that the TP402 voltage is within specification. To adjust, loosen the screw A and adjust the lever D.

Note.

1. Make a tube* by yourself.





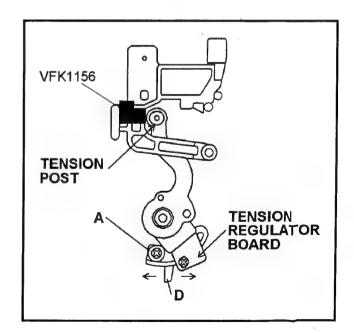
1-10. Play & Rev Tension Adjustment

BOARD	Servo
SPEC.	(PLAY)3.8±0.05V (REV) 1.2±0.3V
TEST	TP402
ADJUST	VR401
MODE	STOP
M.EQ	Digital Volt Meter, VFK1156, VFK1155

- Set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- Install the black spacer(VFK1156) as shown in figure. Adjust the VR401 so that the TP402 voltage is within specification(PLAY). To adjust, loosen the screw A and adjust the lever D.
- Install the gold spacer(VFK1155) instead of the black one. Confirm that the TP402 voltage is within specification(REV).

Note.

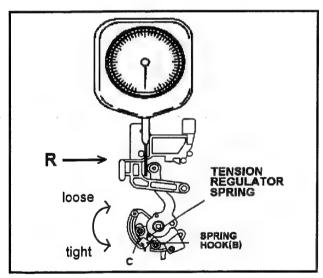
- 1. Make a tube* by yourself.
- In case that it is impossible to adjust within specification, readjust from Neutral Position Adjustment.

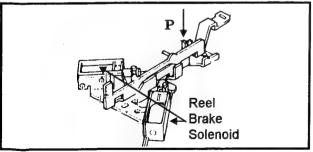


1-11. Tension Spring Adjustment

BOARD	Servo	
SPEC.	11 ± 1 g	
TEST	TP402	
ADJUST	Spring hook(B)	
MODE	STOP	
M.EQ	Digital Volt Meter VFK1188 (30g Dial Tension Gauge)	

- 1. Remove the cassette up unit.
- Set the tube* to cover the sensor LED and press the lever P to place the unit in no tape loading mode.
- Insert the tension gauge to push the tension post to the direction R until the voltage at the TP402 is 3.8V(PLAY position).
- 4. Adjust the position of **hook(B)** so that the indication of gauge is within specification. To adjust hook(B), loosen the **screw (C)**.

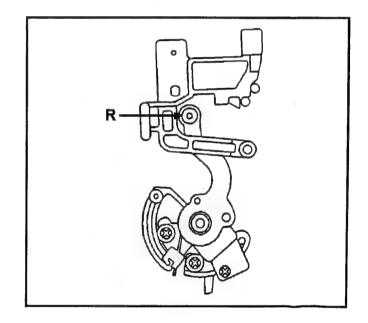




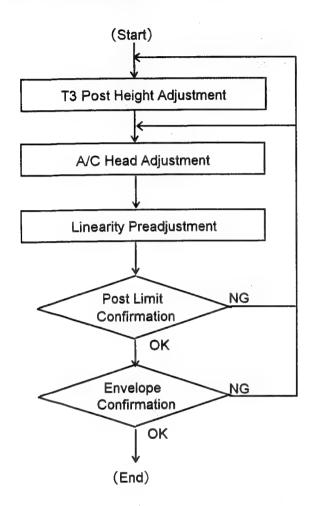
1-12. REV Tension Confirmation

BOARD	Servo
SPEC.	18 ± 2 g
TEST	TP402
MODE	STOP
M.EQ	Digital Volt meter VFK1188 (30g Dial Tension Gauge)

- 1. Set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- Insert the tension gauge to push the tension post to the direction R until the voltage at the TP402 is 1.2V(REV position).
- Confirm that the indication of gauge is within specification. If not, make the Tension Spring Adjustment again.



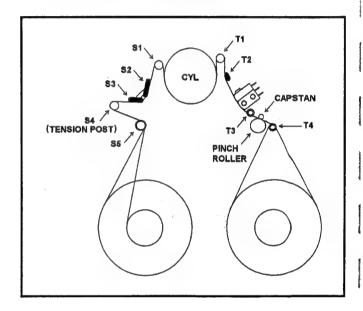
1-13. Tape Path Adj. Flowchart



1-14. T3 Post Height Adjustment

SPEC.	No tape curl	, in
ADJUST	T3 Post Height	
MODE	PLAY	
TAPE	Blank tape	
M.EQ	VFK1151(Box Driver)	

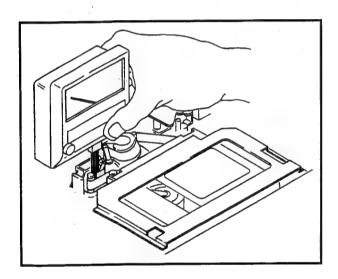
- 1. Confirm that the tape has no curl at T3 post.
- 2. If not, adjust the **T3 post height** so that no tape curl occurs to the tape edge.

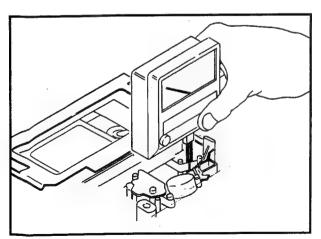


1-15. Tension Confirmation

SPEC.	(PLAY) 6.0±1g, (REV) 9.0±2g
MODE	PLAY, REV
TAPE	M size cassette(63min)
M.EQ	VFK1145(Tension Meter)

- 1. Play back beginning portion of the tape.
- Insert the tension meter between S3 post and S4 post.(Top figure)
- 3. Confirm the tension is within specification.
- 4. Place the unit in REV mode.
- Insert the tension meter between S4 post and S5 post.(Bottom figure)
- 6. Confirm the tension is within specification.

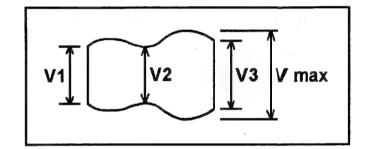




1-16. Linearity Preadjustment

SPEC.	V1/Vmax, V2/Vmax, V3/Vmax ≧ 0.8	
TEST	TP500(RF Board)	
ADJUST	S1, T1 Post Height	
MODE	PLAY(ATF)	
TAPE	(NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)	
M.EQ	Oscilloscope, VFK1149 (Post Driver)	

- 1. Playback the alignment tape.
- 2. Adjust the S1 and T1 posts so that the envelope output is within specification.



1-17. Post Limit Confirmation 1

SPEC.	Post limits shown in the table. No tape curl	
MODE	PLAY	
TAPE	(NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)	
M.EQ	VFK1149 (Post Driver) VFK1151 (Box Driver)	

Post Limit Table

Post	Limit	Adjustment
S5 Post	Lower Limit or Free	S5 Post Height
S4 Post	Lower Limit	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Upper Limit	Linearity
T3 Post	Lower Limit	T3 Post Height
T4 Post	Lower Limit or Free	T4 Post Height

 Confirm the post limit of each post and adjust in case of need.

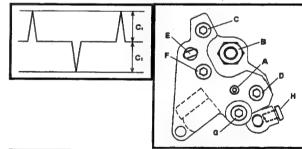
1-18. A/C Head Height Adjustment

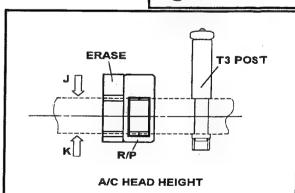
BOARD	Servo
SPEC.	CTL Output : C1, C2 ≧ 220 (mV)
TEST	TP107 : CTL Output
ADJUST	Screw B , H(A/C Head)
MODE	PLAY
TAPE	(NTSC)VFM3580KM(No.1:0~14min) (PAL)VFM3680KM(No.1:0~10min)
M.EQ	Oscilloscope VFK1150, VFK1190

- 1. Monitor the TP107 on the Servo board.
- 2. Press the tape to the direction **J** or **K** and confirm that the **CTL** output level is **decreased**.
- If direction J increases CTL output, loosen the screw H and adjust the screw B counterclockwise until CTL output is maximized.
- If direction K increases CTL output, loosen the screw H and adjust the screw B clockwise until CTL output is maximized.
- 5. After tightening the **screw H(2.0kg)**, confirm the level again.

Note.

 Adjust alternately with other A/C head adjustments(Azimuth, Height).





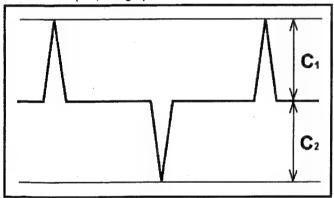
1-19. A/C Head Azimuth Adjustment

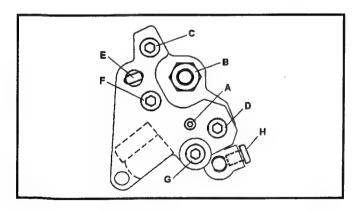
BOARD	Servo
SPEC.	CTL Output : C1, C2 = C1 max, C2 max
TEST	TP107 : CTL Output
ADJUST	Screw F(A/C Head)
MODE	PLAY
TAPE	(NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)
M.EQ	Oscilloscope, VFK1148(Box Driver)

Monitor the TP107 on the Servo Board and adjust the screw F so that the TP107 is maximized.

Note.

 Adjust alternately with other A/C head adjustments(Tilt, Height).

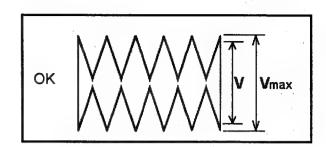


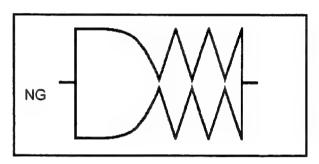


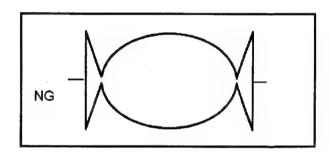
1-20. Envelope Confirmation 1

SPEC.	V/Vmax ≧ 0.8
TEST	TP500(RF Board)
MODE	FF, REW, REV(PLAY&REW)
TAPE	(NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)
M.EQ	Oscilloscope

- 1. Confirm the envelope in each mode.
- 2. If out of specification, adjust the **S4 post height** again.



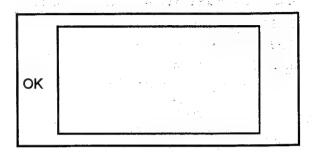


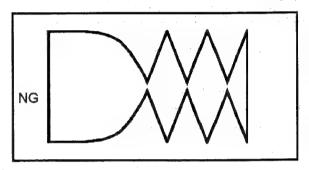


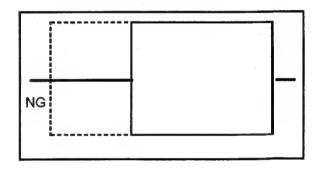
1-21. Envelope Confirmation 2

SPEC.	Envelope appears immediately.
TEST	TP500(RF Board)
MODE	REW/REV(PLAY&REW) → PLAY FF → PLAY LOADING → PLAY
TAPE	(NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)
M.EQ	Oscilloscope

- Confirm that the envelope appears immediately when the mode is switched from REW to PLAY, from REV to PLAY, from FF to PLAY and from LOADING to PLAY.
- 2. If out of specification, adjust the **S4 post height** again.







1-22. S4 Post Height Adjustment

SPEC.	Envelope appears immediately.
TEST	TP500(RF Board)
ADJUST	S1, T1, S4 Post
MODE	REW/REV(PLAY&REW) → PLAY FF → PLAY LOADING → PLAY
TAPE	(NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)
M.EQ	Oscilloscope

- This adjustment must be done only when out of specification in Linearity Preadjustment, Envelope Confirmation 1 or 2.
- 2. Turn the S4 post 90 degrees counterclockwise and adjust S1 and T1 posts again.
- Confirm that the envelope appears immediately when the mode is switched from REW to PLAY, from REV to PLAY, from FF to PLAY and from LOADING to PLAY.
- 4. If out of specification, repeat 2. again. Do not turn the S4 post more than 360 degrees.

1-23. Post Limit Confirmation 2

SPEC.	Post limits shown in the table. No tape curl
MODE	REV(PLAY&REW)
TAPE	(NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)
M.EQ	VFK1149 (Post Driver) VFK1151 (Box Driver)

Post Limit Table

Post	Limit	Adjustment
S5 Post	Free	S5 Post Height
S4 Post	Lower Limit or Free	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Free	Linearity
T3 Post	Lower Limit	T3 Post Height
T4 Post	Lower Limit	T4 Post Height

 Confirm the post limit of each post and adjust again in case of need.

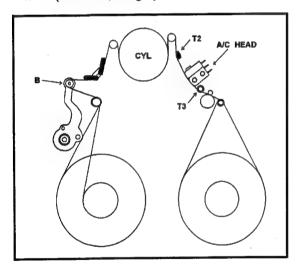
1-24. A/C Head Tilt Adjustment

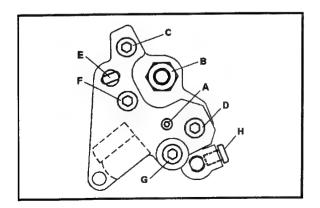
SPEC.	No tape curl, Lower limit at T3 post
ADJUST	Screws A and G (A/C Head)
MODE	PLAY
TAPE	Blank tape
M.EQ	VFK1148, VFK1178(Hex. Wrench)

- 1. Confirm that the screw (G) is tightened with 1.0kg of torque.
- Play back the tape and adjust the A/C head tilt with screw(A) so that the tape path has lower limit at T3 post.

Note.

- 1. Screw(A) : clockwise : Tape goes up at T3 post. counterclockwise : Tape goes down.
- 2. The final touch of the adjustment must be turned clockwise.
- 3. Adjust alternately with each A/C head adjustment(Azimuth, Height).





1-25. Post Limit Confirmation 3

SPEC.	Post limits shown in the table. No tape curl
MODE	FF, REW
TAPE	M cassette (beginning or ending portion) (NTSC)VFM3580KM(No.1 : 0~14min) (PAL)VFM3680KM(No.1 : 0~10min)
M.EQ	VFK1149 (Post Driver VFK1151 (Box Driver)

Post Limit Table

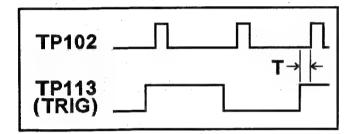
Post	Limit	Adjustment
S5 Post	Free	S5 Post Height
S4 Post	Lower Limit or Free	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Free	Linearity
T3 Post	Free	T3 Post Height
T4 Post	Lower Limit or Free	T4 Post Height

- Confirm Post Limit Confirmation 1 and 2 playing back beginning or ending portion of M cassette.
- 2. Confirm the post limit of each post and adjust again in case of need.
- 3. If T3 post is adjusted, confirm that the tape has no curl at T3 post when loading or unloading.

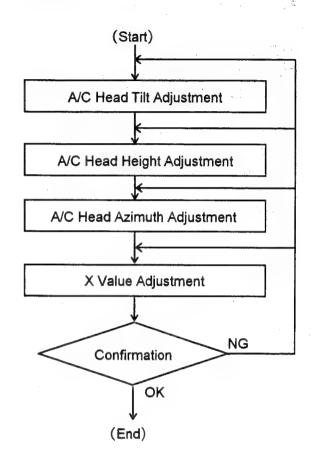
1-26. PG Shifter Adjustment

BOARD	Servo	
SPEC.	126.3±2.5 μ s	
TEST	TP113, TP102	
ADJUST	VR101	
MODE	PLAY	
TAPE	(NTSC)VFM3580KM(No.1:0~14min) (PAL)VFM3680KM(No.1:0~10min)	
M.EQ	Oscilloscope	

1. Adjust the VR101 so that the T is within specification. (Trigger: TP113).



1-27. A/C Head Adj. Flowchart



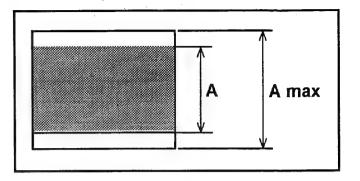
1-28. A/C Head Tilt Confirmation

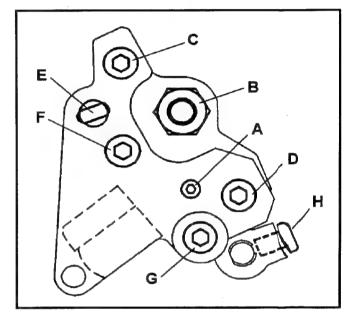
SPEC.	CUE Output : A/Amax ≥ 0.9
TEST	TP505(Audio LCD Board)
ADJUST	Screw A, G(A/C Head)
MODE	PLAY
TAPE	(NTSC)VFM3580KM(No.1:14~22min) (PAL)VFM3680KM(No.1:14~22min)
M.EQ	Oscilloscope VFK1178, VFK1148 (Hex Wrench)

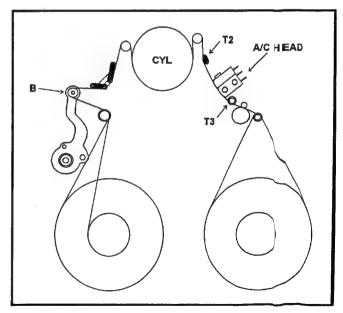
- Playback the CUE portion(6kHz) of the Alignment tape.
- 2. Confirm that the screw G and H are not loosened
- 3. Vibrate the tension arm horizontally and confirm that the output level is within specification.
- If out of specification, loosen the screw G and adjust the screw A, then tighten the screw G with 1.0kg torque

Note.

- The final touch of the adjustment must be turned clockwise. After the adjustment, confirm that the screw A is not loosened.
- 2. When the screw A is adjusted, make Post Limit Confirmation 1 again.







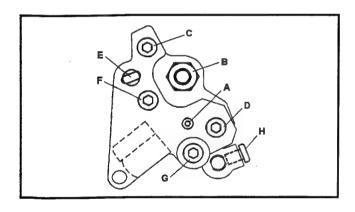
1-29. A/C Head Height Confirmation

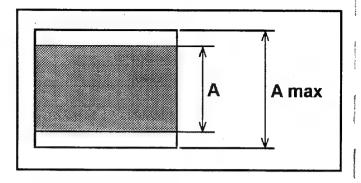
SPEC.	CUE Output : A = A max CTL Output : C1, C2 ≧ 220mV
TEST	TP505 (Audio LCD Board) TP107 (Servo Board)
ADJUST	Screw B, H (A/C Head)
MODE	PLAY
TAPE	(NTSC)VFM3580KM(No.1:14~22min) (PAL)VFM3680KM(No.1:14~22min)
M.EQ	Oscilloscope, VFK1150, VFK1190(Hex L type)

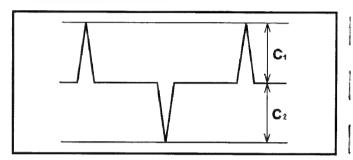
- 1. Confirm that the screw H is tightened.
- Playback the CUE portion(6kHz) of the Alignment tape.
- 3. Push the tape to the **direction J** or **K** and confirm that the **TP505** level is not increased.
- 4. If it is increased, make "A/C Head Height Adjustment" again.

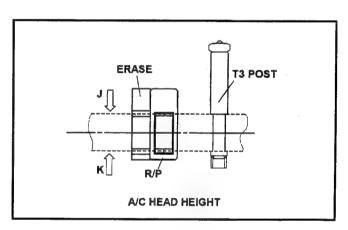


Adjust alternately with A/C Head Azimuth adjustments.





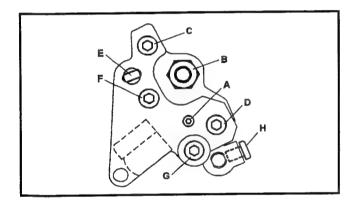


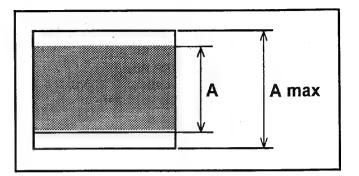


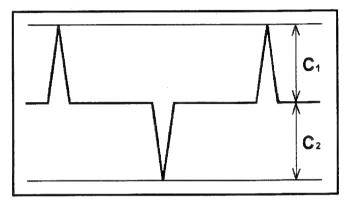
1-30. A/C Head Azimuth Confirmation

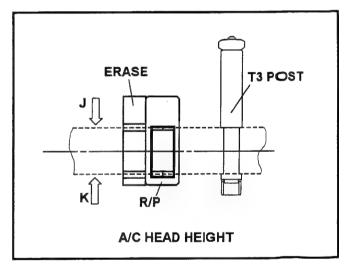
SPEC.	CUE Output : A = A max CTL Output : C1, C2 ≧ 220mV
TEST	TP505 (Audio LCD Board) TP107 (Servo Board)
ADJUST	Screw F (A/C Head)
MODE	PLAY
TAPE	(NTSC)VFM3580KM(No.1 : 14~22min) (PAL)VFM3680KM(No.1 : 14~22min)
M.EQ	Oscilloscope, VFK1148 (Hex Driver)

- Playback the CUE portion(6kHz) of the Alignment tape.
- 2. Push the tape to the direction J or K and confirm that the TP505 level is not increased.
- 3. If it is increased, make "A/C Head Azimuth Adjustment" again.





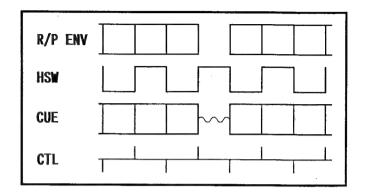


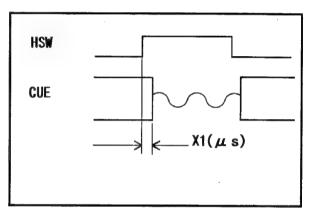


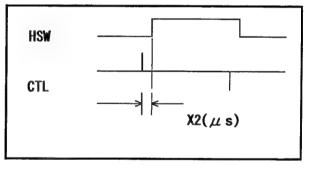
1-31. X Value Adjustment

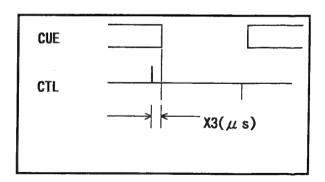
SPEC.	-250µs ≦ X1, X2, X3 ≦ 250µs
TEST	TP500 : R/P ENV (RF Board) TP300 : HSW (RF Board) TP505 : CUE (Audio LCD Board) TP107 : CTL (Servo Board)
ADJUST	A/D Head
MODE	PLAY(ATF control)
TAPE	(NTSC) VFM3582KM (X Value) (PAL) VFM3682KM (X Value)
M.EQ	Oscilloscope, VFK0357 (Eccentric Driver), Hex driver

- Adjust A/C Head Azimuth so that the CTL and lack part of CUE are match in the phase.
- Confirm the lack track of R/P envelope and select the HSW correspond with it (The lack track corresponds to Lch(HSW: High)).
- 3. Adjust CUE phase (X Value) so that the lack part of CUE and selected HSW are match in the phase. <u>To adjust X Value</u>, loosen the screws C and D. Adjust the hole E and then tighten the screws C and D with 2.5kg torque.]
- 4. Adjust the **Azimuth** at the same time so that the relation between the CTL and CUE is kept.
- Confirm that X1, X2 and X3 are within specification.

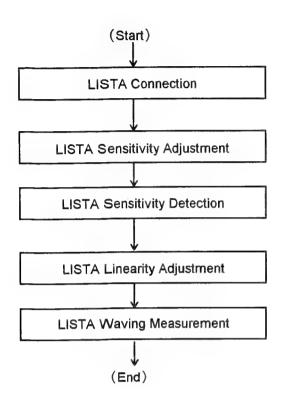








1-32. Linearity Adjustment Flowchart



1-33. LISTA Connection

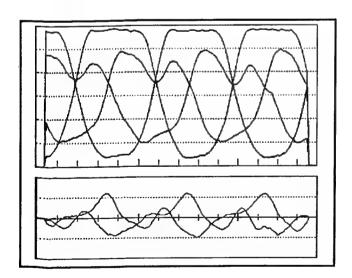
BOARD	Servo
	TP115 : ATF Error (Servo Board)
TEST	TP113 : HSW_R (Servo Board)
	TG300 : GND (Servo Board)
TARE	VFM3581KM(No.2 : LISTA master)
TAPE	VFM3681KM(No.2 : LISTA master)
M.EQ	LISTA

- Confirm that the power is turned off and make a short-circuit between TP902 and TP116.
- Connect LISTA cable between A/D board and the test points as shown in table above.
- 3. Execute LISTA * * E.EXE. (* * is a software version.)
- 4. Select "<2>AJ-D800" menu in the LISTA menu.
- Select the number of the alignment tape. If the alignment tape data is not entered, input the data written on the enclosed paper into PC manually.

1-34. LISTA Sensitivity Adjustment

BOARD	Servo
SPEC.	Sensitivity : 100 ± 10 (mV/μm)
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
ADJUST	ATF Gain (EVR)
MODE	+1.2% Playback
TAPE	VFM3581KM(No.2 : LISTA master) VFM3681KM(No.2 : LISTA master)
M.EQ	LISTA, EVR

- 1. Set up the EVR tool according to Connection figure at the beginning of Electrical Adjustments.
- Confirm that the power is turned off and make a short-circuit between TP902 and TP116 to place the unit in +1.2% Playback mode.
- 3. Playback an alignment tape.
- Select <6>ATF Error Signal Monitor menu and display the sensitivity data.
- Before adjusting, data is displayed as 85. This
 value isn't read from VTR. After inputting data
 once, displayed data becomes the same as
 VTR's.
- Press the [→] or [←] key in PC so that the sensitivity value which is described as Sens.
 Value is within specification.
- 7. After the adjustment, press ESC key to exit to the menu.



1-35. LISTA Sensitivity Detection

BOARD	Servo
SPEC.	Sensitivity : 100 ± 10 (mV/µm)
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
MODE	+1.2% Playback
TAPE	VFM3581KM(No.2 : LISTA master) VFM3681KM(No.2 : LISTA master)
M.EQ	LISTA

- Confirm that the power is turned off and make a short-circuit between TP902 and TP116 to place the unit in +1.2% Playback mode.
- 2. Playback an alignment tape.
- 3. Select <1>Sensitivity Measurement menu and start the sensitivity detection.
- 4. Confirm that the sensitivity value is within specification.
- 5. If out of specification, repeat the steps 3 and 4.
- If still out of specification, make "LISTA Sensitivity Adjustment again.

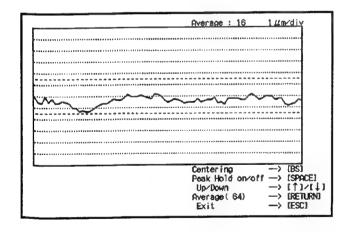
1-36. LISTA Linearity Adjustment

BOARD	Servo
SPEC.	Linearity : Less than 3µm
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
ADJUST	S1, T1 Post Height
MODE	LISTA mode
TAPE	VFM3581KM(No.2 : LISTA master) VFM3681KM(No.2 : LISTA master)
M.EQ	LISTA, VFK1149 (Post Driver)

- Confirm that the power is turned off and make a short-circuit between TP902, TP116 and TP101 to place the unit in LISTA mode.
- 2. Playback an alignment tape.
- Select <2>Linearity Measurement menu, and display the linearity.
- 4. Adjust the S1 post height and T1 post height so that the linearity is within specification.

Note.

- 1. Lower part of the monitor shows the lead.
- 2. Current linearity is red line.



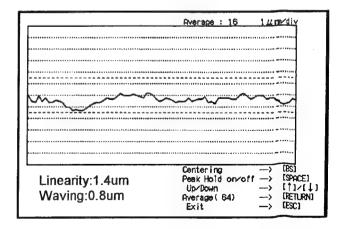
1-37. LISTA Waving Measurement

BOARD	Servo
SPEC.	Waving : Less than 1.5µm
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
ADJUST	S1, T1 Post Height
MODE	LISTA mode
TAPE	VFM3581KM(No.2 : LISTA master) VFM3681KM(No.2 : LISTA master)
M.EQ	LISTA, VFK1149 (Post Driver)

- Confirm that the power is turned off and make a short-circuit between TP902, TP116 and TP101 to place the unit in LISTA mode.
- Playback an alignment tape.
- Select <2>Linearity Measurement menu, and display the linearity.
- 4. After linearity is displayed, press the SPACE key to hold the peak (Peak-Hold) during 30 seconds.
- After Peak-Hold, press the SHIFT key and } key together to display the measurement value and confirm that the value is within specification.
- 6. After the adjustment, press ESC key to exit to the menu.

Note.

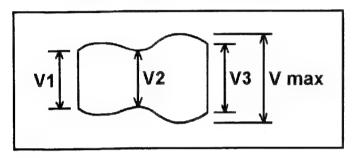
- Confirm that waving value is almost same from the entrance to the exit.
- 2. If out of specification because of wrong post limits, adjust the S1 and T1 posts again.



1-38. Linearity Confirmation

SPEC.	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8
TEST	TP500(RF Board)
MODE	PLAY(ATF)
TAPE	Blank Tape
M.EQ	Oscilloscope, VFK1149 (Post Driver)

- 1. Record the color bar signal.
- 2. Play back the recorded portion and confirm that the envelope output is within specification.



ELECTRICAL ADJUSTMENTS

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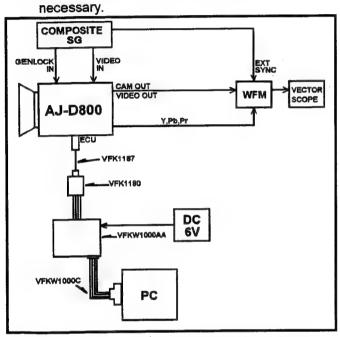
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1. Camera Section

Setup of EVR Tool

- Turn the power switches of the camera recorder and the EVR OFF.
- Connect the tools as shown in figure. 7 pins cable is necessary to be connected between VFK1180 and VFKW1000AA. Another cable is no



- 2. Turn the power of PC and EVR ON and then camera recorder ON.
- 3. Pressing [SHIFT],[+] and [-] buttons in operation panel, set the MENU SW to SET.
- Press the PAGE button to open the SERVICE
 ADJ. menu. Select EVR in ECU CONNECT. After setting turn the MENU OFF.
- Execute the CAM_TOOL.EXE on command prompt condition to start EVR program.
- Follow the displayed instructions until MAIN
 MENU is shown. (If the bar graph stops before
 100% and MAIN MENU is not opened, turn the
 power of I/F box (VFKW1000AA) OFF and ON.
 Then execute the EVR program again.)

Function (Ver.3.2)

MAIN MENU

- 1. BACK UP (DOWN LOAD) RAM DATA.
- 2. RESTORE (UPLOAD) RAM DATA.
- 3. PREPARATION OF ADJUSTMENT.
- 4. START ADJUSTMENT.
- 5. ELECTRICAL ADJUSTMENT.
- 6. E.V.R. DIRECT FUNCTIONS.
- 7. BACK UP (DOWN LOAD) RAM DATA.< OPTION >
- 8. RESTORE (UPLOAD) RAM DATA < OPTION >
- 9. CREATE ADJUSTMENT ITEM < PRODUCTION>
- 10. START ADJUSTMENT

<PRODUCTION>

- 1, 2 : VTR's RAM DATA is backed up and restored.

 Back up data is named as ———. SAV. ".SAV" is automatically added.
- $3\sim5$: Not supported.
- 6 :Refer to next page.
- 7,8 :Not completed. Don't use.
- 9. :Not supported.
- 10. :Refer to next page.

E.V.R. Direct Functions

1. COMMAND INPUT FUNCTION

[E.V.R. FUNCTION] _ COMMAND:

[00]

DATA

00

ADDRESS :

00

[MACRO FUNCTION]

1.CAMERA RESET No.1.

[F1] . [A]

2.CAMERA RESET No.2

[F1] . [B]

3.VF OUT.

[F1] . [C]

4.MONITOR OUT LEVEL.

[F2] . [0]

« Page Up: INC

Page Down

DEC »

- Select <6.E.V.R. DIRECT FUNCTIONS> in MAIN MENU, and next selection appears.
- Select <1.COMMAND INPUT FUNCTION>, and 2. COMMAND INPUT FUNCTION menu is available as shown above.
- Input COMMAND, DATA and ADDRESS 3. according to adjustment procedure.
- After adjustment, press [ESC] key to quit.

Note:

- 1. After operating EVR, turn the VTR off and
- 2. When the SYSCON PROM is updated, execute the CAMERA RESET No.1 in COMMAND INPUT FUNCTION menu. Press the [F1] and [A] keys together, and then press [ENTER] key.
- 3. The difference between CAMERA RESET No.1 and No.2;

No.1: Adjustment data isn't reset. SETUP menu is reset.

No.2: Adjustment data is also reset.

Start Adjustment

- Select <10.START ADJUSTMENT> in MAIN MENU.
- 2. After selecting NTSC/PAL, press ENTER or ESC key to continue.
- 3. Adjustment items appear with command, data and address:

CMD DATA

ADR

AREA

[02] [00]

[04]

[00][FF]

CMD: command.

DATA: initial data. Not factory data. Not VTR

ADR: address. Confirm to Service Manual

that selected item is correct.

AREA: adjustable range.

- Select an adjustment item.
- Following values are displayed;

Command = [02]

Data

= [00]

Address = [04]

Read Data = [06]

Data: data to be sent to VTR. Read Data: data sent from VTR.

- 6. To adjust VTR;
 - 1.Input data and press [ENTER] key.
 - 2.Press [+] or [-] key.
- 7. After adjustment, press [ENTER] key to quit.

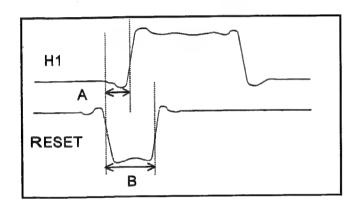
Note: 1. After operating EVR, turn the VTR off and

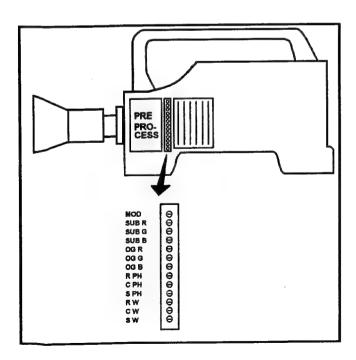
2. START ADJUSTMENT menu is possible to read out data from VTR.

1-1. Reset Pulse Adjustment

BOARD	Pulse
SPEC.	A:5.6±1ns, B:9.6±1ns
TEST	TP1(R),TP3(H2)
ADJUST	VR1(R PH),VR4(R W)
M.EQ	Oscilloscope

- 1. Remove the camera unit.
- 2. Adjust the **VR4** so that the pulse width B at the **TP1** is within specification.
- Adjust the VR1 so that the phase difference A is within specification.(Trigger: TP3)





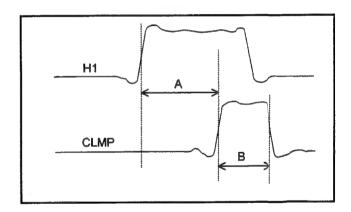
1-2. Clamp Pulse Adjustment

BOARD	Pulse
SPEC.	A:26.4±1ns, B:12.5±1ns
TEST	TP3002(CDS Board),TP3
ADJUST	VR2(C PH),VR5(C W)
M.EQ	Oscilloscope

- 1. Adjust the **VR5** so that the pulse width B(TP3002) is within specification.
- 2. Adjust the **VR2** so that the phase difference A is within specification.(Trigger: TP3)

Note.

 If the adjustment is not completed even after the VR is fully turned, keep the VR where it is. (left end or right end)



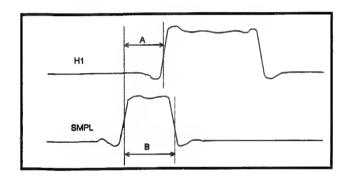
1-3. Sample Pulse Adjustment

BOARD	Pulse
SPEC.	A:17.5±1ns, B:17.9±1ns
TEST	TP3001(CDS Board), TP3
ADJUST	VR3(S PH), VR6(S W)
M.EQ	Oscilloscope

- Adjust the VR6 so that the pulse width B(TP3001) is within specification.
- 2. Adjust the **VR3** so that the phase difference A is within specification.(Trigger: TP3)

Note.

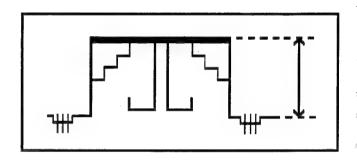
 If the adjustment is not completed even after the VR is fully turned, keep the VR where it is.(left end or right end)



1-4. Reset DC Adjustment

BOARD	Pulse
TEST	TP3203(CDS Board)
ADJUST	VR13(R DC), VR8 (SUB G)
F.NBR.	Open
CHART	Grayscale Chart
M.EQ	Oscilloscope

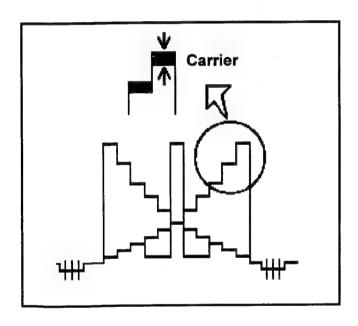
- 1. Turn the **VR8** counterclockwise fully so that the saturation level depends on R DC.
- Turn the VR8 colockwise until the saturation level depends on SUB.
- Adjust the VR13 so that the waveform level is maximized.
- 4. Install the camera unit again.



1-5. Carrier Leak Adjustment

BOARD	CDS
TEST	TP103(R), TP203(G), TP303(B)
ADJUST	VC101(R), VC201(G), VC301(B)
F.NBR.	F8 (2000LUX)
CHART	Grayscale Chart
M.EQ	Oscilloscope, Lux Meter

- Monitor the TP103 and adjust the VC101 so that the carrier leak is minimized.
- 2. Monitor the **TP203** and adjust the **VC201** so that the carrier leak is minimized.
- 3. Monitor the **TP303** and adjust the **VC301** so that the carrier leak is minimized.



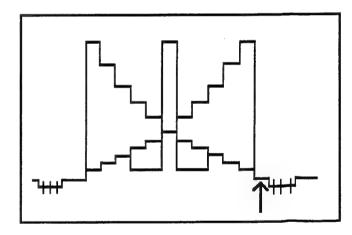
1-6. CDS OUT DC Adjustment

BOARD	CDS
SPEC.	150±50mV
TEST	TP103(R), TP203(G), TP303(B)
ADJUST	VR102(R), VR202(G), VR302(B)
F.NBR.	F8
CHART	Grayscale Chart
M.EQ	Oscilloscope

- Monitor the TP103 and adjust the VR102 so that the black level is within specification.
- 2. Monitor the **TP203** and adjust the **VR202** so that the black level is within specification.
- 3. Monitor the **TP303** and adjust the **VR302** so that the black level is within specification.

Note.

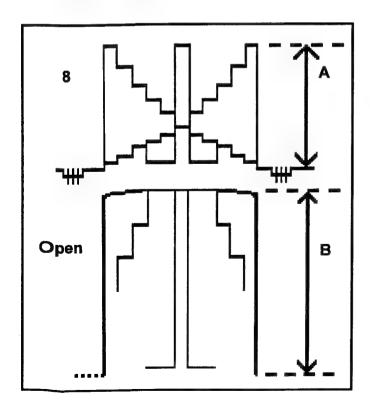
- In case that it is difficult to recognize the black level, close the iris.
- Monitor the center of the carrier because there is carrier on the black level.



1-7. SUB Voltage Adjustment 1

BOARD	Pulse
SPEC.	$B/A = 4 \pm 0.2$
TEST	TP103, TP203, TP303(CDS), TP4
ADJUST	VR7(R), VR8(G), VR9(B), VR13(R DC)
F.NBR.	F8 (2000LUX),Open
CHART	Grayscale Chart
M.EQ	Oscilloscope

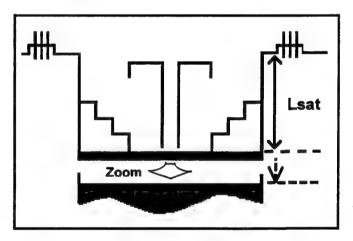
- Monitor the TP203(G) on the CDS Board and measure the level A in IRIS F8.
- 2. Measure the level B in IRIS open.
- Adjust the VR8(SUB-G) so that the B/A ratio is within specification.
- 4. Adjust the **VR13** so that the level B is maximized. (Exceeding specification is no problem if the voltage at **TP4** is more than 1.7V.)
- 5. Repeat 1 to 4 to adjust G ch.
- 6. Monitor the **TP103**(R) and adjust the **VR7** in the same way. (Do not adjust VR13.)
- 7. Monitor the **TP303**(B) and adjust the **VR9** in the same way. (Do not adjust VR13.)
- 8. After the adjustment confirm the CDS OUT DC adjustment again.



1-8. SUB Voltage Adjustment 2

BOARD	Pulse
SPEC.	2600±50mV
TEST	TP2, TP202, TP402(Pre Process)
ADJUST	VR7(R), VR8(G), VR9(B)
F.NBR.	Open(2000LUX)
CHART	Grayscale Chart
M.EQ	Oscilloscope

- Monitor the TP2 on the Pre Process Board and adjust the VR7 so that the voltage Lsat is within specification.
- Monitor the TP202 on the Pre Process Board and adjust the VR8 so that the voltage Lsat is within specification.
- Monitor the TP402 on the Pre Process Board and adjust the VR9 so that the voltage Lsat is within specification.



1-9. SUB Voltage Confirmation

BOARD	Pulse
TEST	VIDEO OUT(75 Ω terminated)
ADJUST	VR7(R), VR8(G), VR9(B)
M.EQ	Color Monitor TV, 500W Halogen Lamp

- 1. Shoot the halogen lamp so that it is one tenth as large as the size of monitor.
- 2. Confirm that the blooming part has no color.
- 3. If that part has some color, do SUB Voltage Adjustment1 and 2.

2. Video Main and DSP

2-1. Initial Setting

1. Set the Camera Recorder as follows:

AUTO W/B BAL:OFF

SHUTTER

:OFF

GAIN

:L

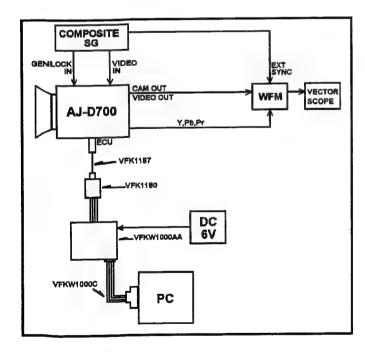
OUTPUT

:BAR

WHITE BAL

·PRE

- 2. Turn the power switches of the camera recorder and the EVR OFF.
- Connect the EVR with ECU connector as shown in figure.
- Turn the power of EVR ON and then camera recorder ON.
- Pressing [SHIFT],[+] and [-] buttons in operation panel, set the MENU SW to SET.
- Press the PAGE button to open the SERVICE ADJ. menu. Select EVR in ECU CONNECT. After setting turn the MENU OFF.
- Excute the CAM_TOOL. EXE to start EVR program. (Refer to Setup of EVR Tool.)



2-2. D3.0V Adjustment

BOARD	Video Main
SPEC.	3.15V+0.05V / -0.00V
TEST	TP9
ADJUST	VR5 (Power)
MODE	REC
M.EQ	Digital Volt Meter

 Adjust the VR5 on Power board so that the voltage at the TP9 is within specification.

2-3. Ref DC for A/D Adjustment

BOARD	DSP
SPEC.	2.0±0.001V
TEST	TP6
ADJUST	VR1
M.EQ	Digital Volt Meter

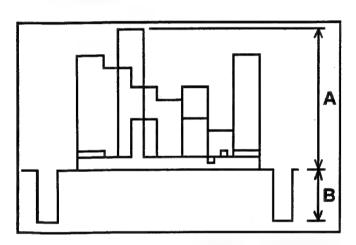
1. Confirm that the DC voltage at TP6 is within specification, and adjust the VR1 in case of need.

3. Encoder

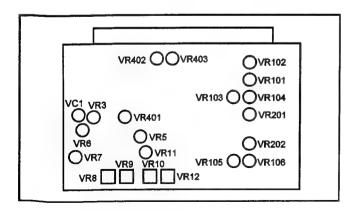
3-1. Y & SYNC Levels Adjustment 1

BOARD	Encoder
SPEC.	A:1400±28mV, B:600±12mV
TEST	TP104
ADJUST	VR102, VR101, SW101, SW102
MODE	Camera Bar
M.EQ	Waveform Monitor

- Confirm that the SW101 and SW102 are turned
 ON as shown in figure.
- 2. Monitor the **TP104** and adjust the **VR102** so that the level A is within specification.
- Adjust the VR101 so that the level B is within specification.



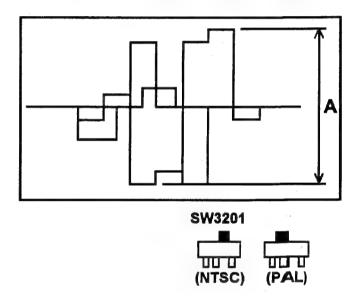




3-2. Pr Level Adjustment

BOARD	Encoder
SPEC.	1050±20mV
TEST	TP203
ADJUST	VR201, SW201
MODE	Camera Bar
M.EQ	Waveform Monitor

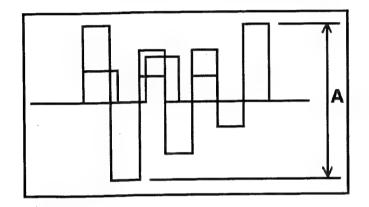
 Set the \$W201 as shown in figure and adjust the VR201 so that the level A is within specification.



3-3. Pb Level Adjustment

BOARD	Encoder	
SPEC.	1050±20mV	
TEST	TP204	
ADJUST	VR202, SW202	
MODE	Camera Bar	
M.EQ	Waveform Monitor	

 Set the SW202 as shown in figure and adjust the VR202 so that the level A is within specification.



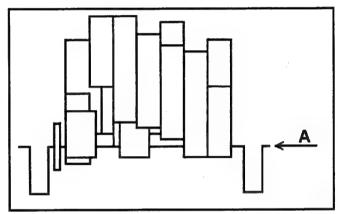
SW3202



3-4. CAM DC Adjustment

BOARD	Encoder
SPEC.	0±10mV
TEST	CAM OUT
ADJUST	VR11
MODE	Camera Bar
M.EQ	Waveform Monitor

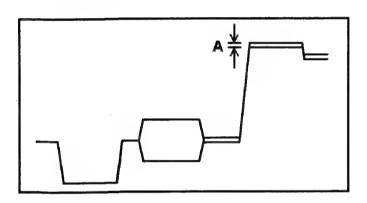
 Adjust the VR11 so that the DC voltage is within specification.



3-5. Carrier Balance Adjustment

BOARD	Encoder
SPEC.	A = Minimum
TEST	CAM OUT
ADJUST	VR8, VR9
MODE	Camera Bar
M.EQ	Waveform Monitor

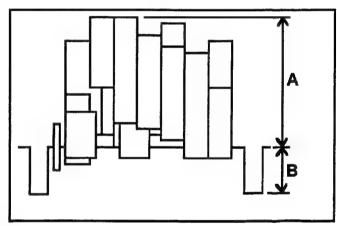
- 1. Adjust the VR8 so that the width A is minimized.
- 2. Adjust the VR9 as well as VR8.
- 3. Repeat the above steps until the width A is minimized.



3-6. Y & SYNC Levels Adjustment 2

BOARD	Encoder	
SPEC.	A:700±14mV, B:300±6mV	
TEST	CAM OUT	
ADJUST	VR12, VR106, VR105	
MODE	Camera Bar	
M.EQ	Waveform Monitor	

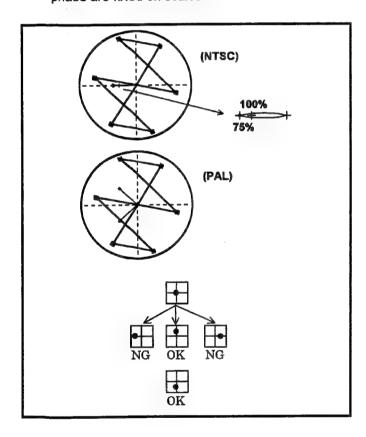
- 1. Set the VR12 to CENTER position.
- 2. Adjust the VR106 so that the level A is within specification.
- 3. Adjust the **VR105** so that the level B is within specification.



3-7. Burst Level & Vector Adjustment

BOARD	Encoder
TEST	CAM OUT
ADJUST	VR6, VR7, VC1, VR3, VR5
MODE	Camera Bar
M.EQ	Vector Scope

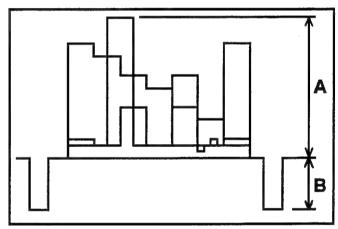
- Adjust the VC1 so that both burst levels are the same
- Adjust the VR6 and VR7 so that both bursts are fixed on scales.
- Adjust the VR3, VR5 and VC1 so that all colour phase are fixed on scales



3-8. Video Out & Sync Adjustment

BOARD	Encoder
SPEC.	A:700±14mV, B:300±6mV
TEST	VIDEO OUT
ADJUST	VR104, VR103
MODE	Camera Bar
M.EQ	Waveform Monitor, EVR

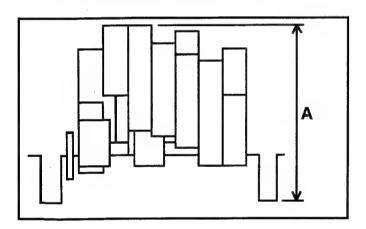
- 1. Press the [F2] and [0] in EVR and confirm that the EVR display indicates [1E][02][00].
- Connect the Waveform Monitor with VIDEO OUT and adjust the VR104 so that the level A is within specification.
- 3. Adjust the VR103 so that the level B is within specification.



3-10. Mon Enc Level Adjustment

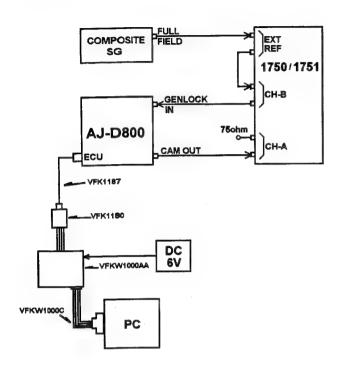
BOARD	Encoder
SPEC.	A:1V±20mV
TEST	VIDEO OUT
ADJUST	VR401
MODE	Camera Bar
M.EQ	Waveform Monitor, EVR

- Confirm that the EVR display indicates [1E][03][00] and then press the [→] to set the EVR to [1E][04][00]. Otherwise press the [CMD][1E] [DATA][04] [ADR][00] [SET] to input [1E][04][00].
- Connect the Waveform Monitor with VIDEO OUT and adjust the VR401 so that the level A is within specification.
- 3. Set the SW101 and SW102 to OFF.



4. Sync

4-1. Connection



4-2. 4fsc VCO Adjustment

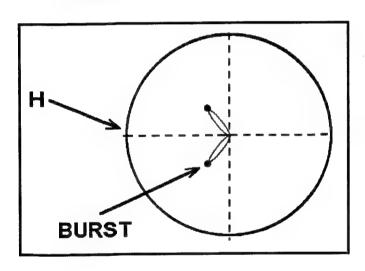
BOARD	Sync
SPEC.	17.734475MHz±10Hz
TEST	IC3018 10pin, TP11
ADJUST	VR12
MODE	Camera Bar
M.EQ	Oscilloscope, Frequency Counter

- Disconnect GEN LOCK IN and adjust the VR12 so that the frequency at IC3018 10pin is within specification.
- 2. Input the composite signal to GEN LOCK IN and confirm that the DC voltage at **TP11** is $2.5\pm0.5V$ and stable.

4-3. SCH Phase Adjustment

BOARD	Sync
SPEC.	0±2°
TEST	CAM OUT
ADJUST	VR5
MODE	Camera Bar
M.EQ	SCH Meter

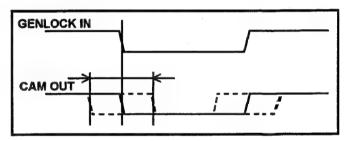
- Disconnect GEN LOCK IN and set the SCH Meter to INT mode.
- 2. Adjust the **VR5** so that the SCH is within specification.



4-4. System Phase Adjustment 1

BOARD	Sync
TEST	CAM OUT
ADJUST	VR6
INPUT	Composite(RS-170A)
MODE	Camera Bar
M.EQ	Waveform Monitor, EVR

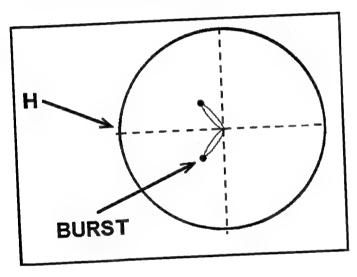
- 1. Set the Waveform Monitor to EXT mode.
- 2. Set the EVR to [1E][14][00].
- Confirm that the composite signal is input to GEN LOCK IN.
- Adjust the VR6 so that CAM OUT and GEN LOCK
 IN are the same in sync phase.



4-5. System Phase Adjustment 2

4-5. Oystom	
BOARD	Sync
TEST	CAM OUT
ADJUST	VR6, VR7
INPUT	Composite(RS-170A)
MODE	Camera Bar
M.EQ	SCH Meter, EVR
1011	

- 1. Set the SCH Meter to EXT mode.
- 2. Adjust the VR6 slightly so that CAM OUT and GEN LOCK IN are the same in H phase.
- 3. Set the EVR to [1E][1C][00].
- 4. Adjust the VR7 so that CAM OUT and GEN LOCK IN are the same in burst phase.

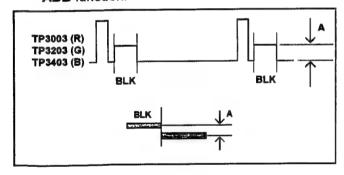


5. Pre Process

5-1. RGB Pedestal Adjustment

BOARD	Pre Process
SPEC.	0±50mV
TEST	TP3, TP203, TP403
ADJUST	VR1, VR201, VR401
F.NBR.	Close
M.EQ	Oscilloscope, EVR

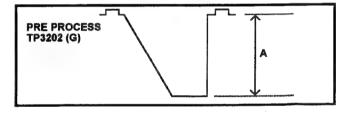
- Press the [F2] and [2] keys in EVR or input [1E][20][00].
- 2. Monitor the TP3 and adjust the VR1(R PED) so that the blanking level is flat.
- 3. Monitor the **TP203** and adjust the **VR201**(G PED) so that the blanking level is flat.
- Monitor the TP403 and adjust the VR401(B PED) so that the blanking level is flat.
- 5. Set the EVR to [1E][21][00] and then execute the ABB function.



5-2. Test Signal Level Adjustment

Pre Process
666±10mV
TP2(R), TP202(G), TP402(B)
VR15(R), VR13(G), VR14(B)
(on the Sync board)
Test Signal
Oscilloscope, EVR

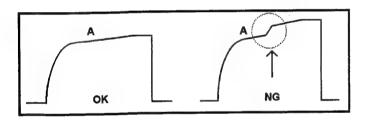
- 1. Set the EVR to [1E][22][00].
- 2. Monitor the **TP2** and adjust the **VR15** so that the level A is within specification.
- Monitor the TP202 and adjust the VR13 so that the level A is within specification.
- 4. Monitor the **TP402** and adjust the **VR14** so that the level A is within specification.



5-3. A/D Input Level Adjustment 1

	The state of the s
BOARD	Pre Process
TEST	VIDEO OUT(75 Ω terminated)
ADJUST	VR2(R), VR202(G), VR402(B)
MODE	Test Signal
M.EQ	Waveform Monitor, EVR

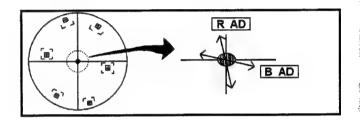
- 1. Set the EVR to [1E][23][00].(R ch is selected.)
- 2. Adjust the **VR2** to increase the A/D level and then stop adjusting just before the A portion is uneven.
- 3. Set the EVR to [1E][24][00].(G ch is selected.)
- Adjust the VR202 to increase the A/D level and then stop adjusting just before the A portion is uneven.
- 5. Set the EVR to [1E][25][00].(B ch is selected.)
- Adjust the VR402 to increase the A/D level and then stop adjusting just before the A portion is uneven.



5-4. A/D Input Level Adjustment 2

BOARD	Pre Process
TEST	CAM OUT(75 Ω terminated)
ADJUST	VR2(R), VR402(B)
MODE	Test Signal
M.EQ	Vector Scope

- 2. Set the Vector Scope Gain to MAX.
- 3. Fineadjust the VR2 and 402 so that the dot is at the center of the vector scope.



5-5. Pedestal Tracking Adjustment

BOARD	Pre Process
TEST	CAM OUT(75 Ω terminated)
ADJUST	VR3(R), VR403(B)
F.NBR.	Close
M.EQ	Vector Scope, EVR

- Pressing [SHIFT],[+] and [-] buttons in operation panel, set the MENU SW to SET.
- 2. Press the PAGE button to open the following menus and set to zero.

LEVEL 4/6

:R.G.B FLARE

:R,B GAMMA

SERVICE ADJ. : R,B GAMMA

- 3. Set the EVR to [1E][28][00].
- 4. Set the Vector Scope to Gain:MAX.
- Adjust the VR3 and VR403 so that the dot is at the center of the vector scope.
- 6. Press [→] key to set to [1E][29][00]. Confirm that the dot is still at the center of the vector scope.
- 7. If not, repeat 3,5 and 6.

Note.

1. Adjust the VR3 to move vertically and the VR403 horizontally.

5-6. Sample & Hold Level Adjustment 1

BOARD	Pre Process
SPEC.	666±10mV
TEST	TP2, TP202, TP402
ADJUST	VR101, VR201, VR301(CDS Board)
F.NBR.	F8+1/3(2000LUX), Optical Filter:1
CHART	Grayscale Chart(3200 'K)
M.EQ	Oscilloscope,Lux Meter,Color Pyrometer

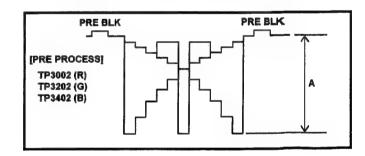
1. Set as follows:

CAM/BAR : CAM(AGAM:ON)

AWB : PRESET

GAIN : 0dB

- Don't use an extender of lens.
- 3. Set the EVR to [1E][27][00].
- 4. Monitor the **TP2** and adjust the **VR101**(R LVL) so that the level A is within specification.
- 5. Monitor the **TP202** and adjust the **VR201**(G LVL) so that the level A is within specification.
- 6. Monitor the **TP402** and adjust the **VR301**(B LVL) so that the level A is within specification.



5-7. Fixed Pattern Noise Confirmation

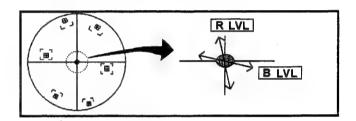
BOARD	Pulse
TEST	CAM OUT
ADJUST	VR3(CCD Pulse)
F.NBR.	Close
M.EQ	Monitor TV, EVR

- 1. Set the EVR to [1E][36][00](+18dB).
- 2. Execute the ABB function.
- 3. Confirm that there is no fixed pattern noise vertically with lens closed.
- If there is, set the EVR to [1E][37][00] and then adjust the VR3, remember the original position of VR3, so that the noise is minimized. (If the noise is not decreased, set VR3 to the original position again.)

5-8. Sample & Hold Level Adjustment 2

BOARD	CDS
TEST	CAM OUT
ADJUST	VR101(R LVL), VR301(B LVL)
F.NBR.	F8 (2000LUX), Optical Filter:1
CHART	Grayscale Chart
M.EQ	Vector Scope,Lux Meter, Color Pyrometer

- 1. Set the EVR to [1E][27][00].
- 2. Set the Vector Scope to Gain:MAX.
- 3. Adjust the **VR101** and **301** slightly so that the dot is at the center of the vector scope.



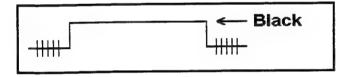
5-9. CDS DC Adjustment

BOARD	CDS
SPEC.	150±50mVdc
TEST	TP103(R), TP203(G), TP303(B)
ADJUST	VR102(R), VR202(G), VR302(B)
F.NBR.	Close
M.EQ	Oscilloscope

- Monitor the TP103 and adjust the VR102 so that the black level is within specification.
- 2. Monitor the **TP203** and adjust the **VR202** so that the black level is within specification.
- 3. Monitor the **TP303** and adjust the **VR302** so that the black level is within specification.

Note.

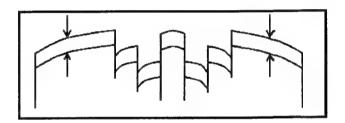
 Monitor the center of the carrier because there is carrier on the black level.



5-10. Carrier Level Adjustment

BOARD	Pulse
TEST	CAM OUT
ADJUST	VR7(SUB R), VR9(SUB B)
CHART	Grayscale Chart
M.EQ	Waveform Monitor, EVR

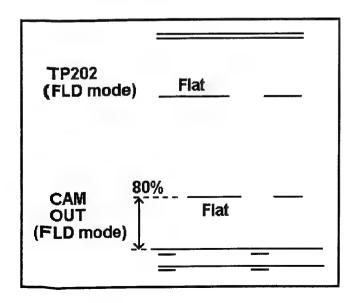
- 1. Set the EVR to [1E][3A][00].
- 2. Select PRESET position in AWB mode.
- 3. Execute the ABB function.
- 4. Open the iris until upper three steps are saturated in grayscale waveform as shown in figure.
- 5. Adjust the **VR7** and **VR9** alternately so that the carrier level is minimized. (less than 6IRE)
- After the adjustment, confirm the CDS DC Adjustment.



5-11. Analog White Shading

BOARD	Pre Process
TEST	CAM OUT(75Ωterminated), TP202
ADJUST	EVR
M.EQ	Waveform Monitor, Vector Scope, EVR Lens(Built-in Extender)
IN.EQ	Light Box(Spherical Type)

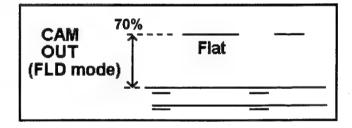
- 1. Set the EVR to [1E][2E][00].
- 2. Open the iris until the peak level is 80% in CAM OUT without extender.
- Select A position in AWB mode and execute the AWB function.
- 4. Execute the ABB function.
- 5. Adjust the iris to 80% again until the peak level is 80% and execute the AWB function.
- 6. Set the EVR to [0E][80][0E].
- 7. Monitor the **TP202** in waveform monitor(field mode) and press [→] or [←] key in EVR so that the waveform is flat.
- 8. Input [1E][2F][00] in EVR to execute the analog white shading. (While executing, 'ACTIVE' is displayed on EVF.)
- Execute the AWB function.
- Monitor the TP202 in vector scope and confirm that the dot is round and around the center of the scope.
- 11. Open the iris until the peak level is 80% in CAM OUT with extender.
- 12. Execute the AWB function and repeat 6 to 10.



5-12. Digital White Shading

TEST	CAM OUT(75 Ω terminated)
ADJUST	EVR
M.EQ	Waveform Monitor, Vector Scope, EVR Lens(Built-in Extender) Light Box(Spherical Type)

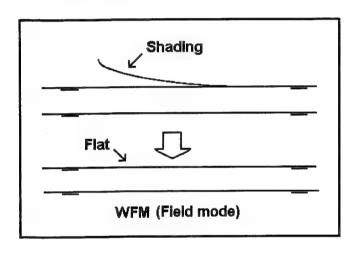
- 1. Set the EVR to [1E][30][00].
- 2. Open the iris until the peak level is 70% in CAM OUT without extender.
- Select A position in AWB mode and execute the AWB function.
- Input [1E][31][00] in EVR to execute the digital white shading. (While executing, '*' or 'ACTIVE' is displayed on EVF.)
- 5. Execute the AWB function.
- Monitor the CAM OUT in waveform monitor(field mode) and confirm that the waveform is flat.
- Monitor the CAM OUT in vector scope and confirm that the dot is round and around the center of the scope.



5-13. Auto Dark Shading

TEST	CAM OUT(75 Ω terminated)
ADJUST	EVR
F.NBR.	Close
M.EQ	Waveform Monitor, EVR

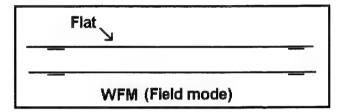
- 1. Set AWB position to PRE.
- 2. Execute the ABB function.
- Input [1E][2A][00] in EVR to confirm executing the auto dark shading.
- Monitor the CAM OUT in waveform monitor(field mode) and confirm that the waveform is made flat.
- 2. Confirm that the shading is completed and waveform is flat.



5-14. Digital Dark Shading

TEST	CAM OUT(75 Ω terminated)
ADJUST	EVR
F.NBR.	Close
M.EQ	Waveform Monitor, EVR

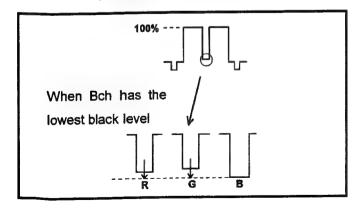
- 1. Set AWB position to PRE.
- 2. Input [1E][2B][00] in EVR.
- Input [1E][2D][00] in EVR to execute the digital dark shading. (While executing, 'ACTIVE' is displayed on EVF.)
- Monitor the CAM OUT in waveform(field mode) monitor and confirm that the waveform is flat.



5-15. Flare Correction Adjustment

TEST	VIDEO OUT
ADJUST	EVR
F.NBR.	(2000LUX)
CHART	Flare chart
M.EQ	Waveform Monitor, EVR

- 1. Open the iris until white level is 80%.
- Execute AWB function in the A ch and then ABB function.
- 3. Adjust the iris again and execute AWB function in the A ch.
- 4. Open the iris until white level is 100%.
- 5. Open the iris 1.5 steps more, for example, F8 to F5.6-1/2.
- 6. Input [1E][32][[00] in EVR to select Rch and measure the black level.
- 7. Input [1E][33][[00] in EVR to select Gch and measure the black level.
- 8. Input [1E][34][[00] in EVR to select Bch and measure the black level.
- Don't adjust the channel which has the lowest black level.
- 10. Adjust the black levels of other two channels to the level of the channel mentioned above No.9 with EVR. The ways to change the black levels are as shown below.
 - (R ch) After inputting [1E][32][[00] and then [0E][00][0B], press $[\rightarrow]$ or $[\leftarrow]$ key.
 - (G ch) After inputting [1E][33][[00] and then [0E][00][0C], press [→] or [←] key.
 - (B ch) After inputting [1E][34][[00] and then [0E][00][0D], press [→] or [←] key.



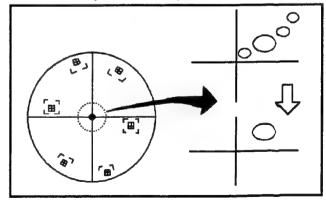
5-16. R γ & B γ Adjustment

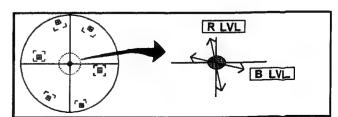
BOARD	CDS
TEST	CAM OUT(75 Ω terminated)
ADJUST	VR101(R LVL), VR301(B LVL), EVR
F.NBR.	(2000LUX)
CHART	Grayscale Chart(3200 °K)
M.EQ	Vector Scope, Lux Meter, Color Pyrometer, EVR

- 1. Set the Vector Scope to Gain:MAX.
- 2. Input [1E][27][00] in EVR.
- 3. Select PRESET position in AWB mode.
- 4. Execute the ABB function.
- Open the iris until the peak level is 100% in CAM OUT without extender. Confirm that the iris No. is F8 to F8-1/2.
- 6. When the dot is divided, adjust the R γ and B γ with EVR according to the following procedure so that the dots are joined.
 - R γ: After inputting [0E][00][09] in EVR, press the [→] or [←] to adjust.
 - **B** γ: After inputting [0E][00][0A] in EVR, press the [→] or [←] to adjust.
- Confirm that the dot is at the center of the vector scope. If not, adjust the VR101(R LVL) and VR301(B LVL).

Note.

Vertically divided : Adjust R γ
 Horizontally divided : Adjust B γ

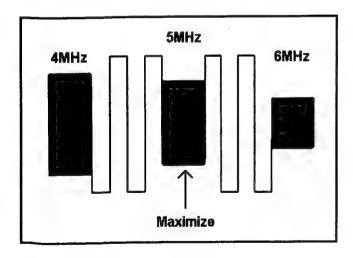




5-17. Modulation Adjustment

BOARD	Pulse, Sync
SPEC.	MAX at 5MHz
TEST	CAM OUT (75 Ω terminated)
ADJUST	VR14(MOD)(Pulse) VR201, VR202, VR203(Sync)
CHART	Immega Chart
M.EQ	Waveform Monitor, EVR

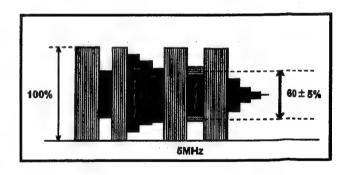
- 1. Turn the VR14 fully counterclockwise.
- 2. Set Gain SW to L.
- 3. Press the [F2] and [3] keys to set the EVR to [1E][35][00].
- 4. Open the iris until white level is 80%.
- 5. Execute AWB function in the A ch.
- 6. Open the iris until white level is 90%.
- 7. Turn the VR201(Sync) counterclockwise fully.
- 8. Turn the **VR201** clockwise until the level at 5MHz is maximized first.
- 9. Set shutter to 1/2000.
- 10. Set Gain SW to M.
- 11. Repeat from 6 to 8 with VR202(Sync).
- 12. Set Gain SW to H.
- 13. Repeat from 6 to 8 with VR203(Sync).
- 14. Set shutter OFF and Gain L.



5-18. Modulation Confirmation

BOARD	Pulse
SPEC.	60±5% at 5MHz
TEST	CAM OUT (75 Ω terminated)
ADJUST	VR2(CLMP PH)(Pulse)
CHART	Immega Chart
M.EQ	Waveform Monitor, EVR

- 1. Press the [F2] and [3] keys to set the EVR to [1E][35][00].
- 2. Open the iris until white level is 80%.
- 3. Execute AWB function in the A ch.
- 4. Open the iris F5.6~F4.
- 5. Confirm that the level at 5MHz is within specification.
- If not, fineadjust the VR2. When VR2 is adjusted, open the iris until white level is 80% and execute AWB function in the A ch.
- 7. Confirm that the level at 5MHz is within specification. (60±10% is accepted only when VR2 is fully-turned.)
- When VR2 is adjusted, repeat from Modulation Adjustment.
- Finally set the EVR to [1E][3A][00].



6-1. Video I/F

6-1. Audio VCO Adjustment

BOARD	Video Main
SPEC.	A=B±5%
TEST	TP8 (VCO ADJ.)
ADJUST	EVR
INPUT	Internal Color Bar
MODE	EE
M.EQ	Oscilloscope

Menu Setting

Open the operation panel.

Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL

:CAM (NTSC only)

PAGE: SERVICE ADJ.

ECU CONNECT

:EVR

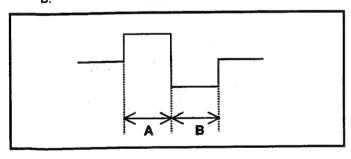
IF ADJ.

:OFF

EVR Setting

CMD: 02DATA: 82 ADR: 04

Press $[\rightarrow]$ or $[\leftarrow]$ key in EVR so that A equals to B.



6-2. PLL POS Adjustment

BOARD	Video I/F
SPEC.	B=A±10%
TEST	TP201(HP), TP202(HWIN)
ADJUST	EVR
INPUT	Internal Color Bar
MODE	EE
M.EQ	Oscilloscope

Menu Setting

Open the operation panel.

Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

3. Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL

:CAM (NTSC only)

PAGE: SERVICE ADJ.

ECU CONNECT : EVR

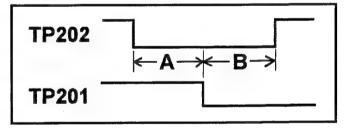
IF ADJ.

:OFF

EVR Setting

CMD: 02DATA: 77 ADR: 1B

Press $[\rightarrow]$ or $[\leftarrow]$ key in EVR so that A equals to B.



6-3. ENC Level Adjustment

BOARD	VIdeo I/F
SPEC.	A: 700 ± 15mV, B: 300 ± 4mV
TEST	VIDEO OUT (75Ω terminated)
ADJUST	VR602, EVR
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Waveform Monitor

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

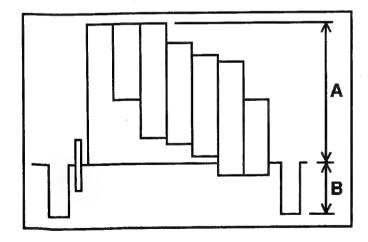
PAGE: SERVICE ADJ.

ECU CONNECT :EVR IF ADJ. :OFF

EVR Setting

CMD: 02DATA: 86 ADR: 17

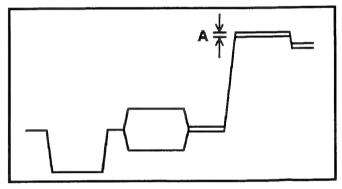
- Press [→] or [←] key in EVR so that the level A is within specification.
- 2. Adjust the **VR602** so that the level **B** is within specification.



6-4. Carrier Balance Adjustment

BOARD	Video I/F
SPEC.	A ≤ 10mV
TEST	VIDEO OUT (75 Ω terminated)
ADJUST	VR609 (PR), VR610 (PB)
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Waveform Monitor, Vector Scope

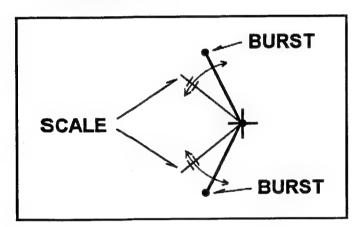
- 1. Adjust the **VR609** and **VR610** so that the dot is at the center of the vector scope.
- Adjust the VR609 so that the width A is minimized.
- 3. Adjust the VR610 as well as VR609.
- 4. Repeat the above steps until the width **A** is within specification.



6-5. Burst Phase Adjustment

BOARD	Video I/F
TEST	VIDEO OUT (75 Ω terminated)
ADJUST	VR608
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Vector Scope

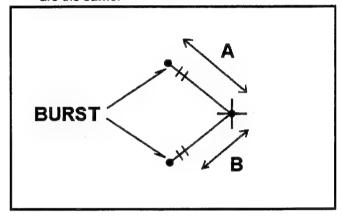
 Adjust the VR608 so that the burst vectors are fixed on scale.



6-6. QUAD Adjustment

BOARD	VIDEO I/F
TEST	VIDEO OUT (75 Ω terminated)
ADJUST	VC601
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Vector Scope

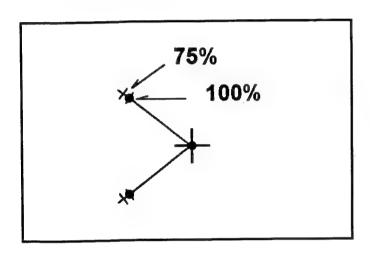
 Adjust the VC601 so that the burst level A and B are the same.



6-7. Burst Level Adjustment

BOARD	VIdeo I/F
SPEC.	100%
TEST	VIDEO OUT (75Ω terminated)
ADJUST	VR607
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Vector Scope

 Adjust the VR607 so that the burst levels are within specification.



6-8. Chroma Level Adjustment

BOARD	Video I/F
TEST	VIDEO OUT (75Ω terminated)
ADJUST	VR604, EVR
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Vector Scope

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: SERVICE ADJ.

ECU CONNECT :EVR IF ADJ. :OFF

EVR Setting

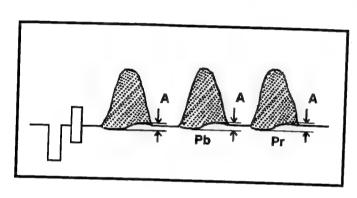
CMD: 02DATA: 86 ADR: 16

- Press [→] or [←] key in EVR so that the R dot is in the marker of the vector scope.
- 2. If necessary, fineadjust the VC601.
- Adjust the VR604 so that each dot is in the marker of the vector scope.

6-9. Y/C Timing Adjustment

BOARD	Video I/F
TEST	VIDEO OUT (75Ω terminated)
ADJUST	VR603 (PB), VR605 (PR)
MODE	PLAY
TAPE	VFM3680KM (26 ~ 30min)
M.EQ	Waveform Monitor

1. Adjust the VR603 and VR605 so that the portion A is flat.



6-10. Pb Timing Adjustment

BOARD	Video I/F
TEST	TP207(AD PB), TP208(AD Y)
ADJUST	VR107(PB TMG)
INPUT	Color Bar, Internal Color Bar
MODE	EE
M.EQ	Oscilloscope

Menu Setting

- Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL

:CAM (NTSC only)

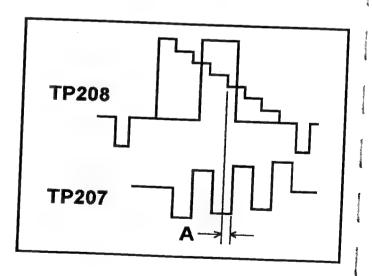
PAGE: SERVICE ADJ.

ECU CONNECT :EVR

IF ADJ.

:OFF

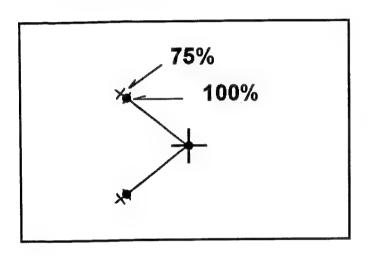
- Adjust the VR107 so that the phase difference A between TP207 and TP208 is within 0 ± 20 ns.
- (NTSC only) Select VIDEO in the menu of REC SIGNAL (FUNCTION 3/5).
- (NTSC only) Confirm that the phase difference A is 0 ± 50 ns.



6-7. Burst Level Adjustment

BOARD	VIdeo I/F
SPEC.	100%
TEST	VIDEO OUT (75Ω terminated)
ADJUST	VR607
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Vector Scope

 Adjust the VR607 so that the burst levels are within specification.



6-8. Chroma Level Adjustment

BOARD	Video I/F
TEST	VIDEO OUT (75Ω terminated)
ADJUST	VR604, EVR
MODE	PLAY
TAPE	VFM3680KM (0 ~ 10min)
M.EQ	Vector Scope

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: SERVICE ADJ.

ECU CONNECT :EVR IF ADJ. :OFF

EVR Setting

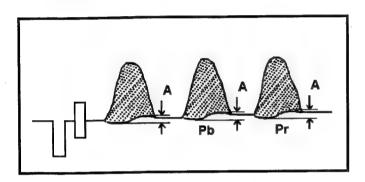
CMD: 02DATA: 86 ADR: 16

- Press [→] or [←] key in EVR so that the R dot is in the marker of the vector scope.
- 2. If necessary, fineadjust the VC601.
- Adjust the VR604 so that each dot is in the marker of the vector scope.

6-9. Y/C Timing Adjustment

BOARD	Video I/F
TEST	VIDEO OUT (75Ω terminated)
ADJUST	VR603 (PB), VR605 (PR)
MODE	PLAY
TAPE	VFM3680KM (26 ~ 30min)
M.EQ	Waveform Monitor

 Adjust the VR603 and VR605 so that the portion A is flat.



6-10. Pb Timing Adjustment

BOARD	Video 1/F
TEST	TP207(AD PB), TP208(AD Y)
ADJUST	VR107(PB TMG)
INPUT	Color Bar, Internal Color Bar
MODE	EE
M.EQ	Oscilloscope

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL

:CAM (NTSC only)

PAGE: SERVICE ADJ.

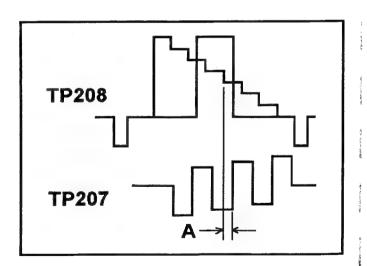
ECU CONNECT

:EVR

IF ADJ.

:OFF

- Adjust the VR107 so that the phase difference A between TP207 and TP208 is within 0±20ns.
- (NTSC only) Select VIDEO in the menu of REC SIGNAL (FUNCTION 3/5).
- 3. (NTSC only) Confirm that the phase difference A is 0 ± 50 ns .



6-11. Pr Timing Adjustment

BOARD	Video I/F
TEST	TP208(AD Y), TP212(AD PR)
ADJUST	VR111(PR TMG)
INPUT	Color Bar, Internal Color Bar
MODE	EE
M.EQ	Oscilloscope

Menu Setting

1. Open the operation panel.

2. Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

3. Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL :CAM (NTSC only)

PAGE: SERVICE ADJ.

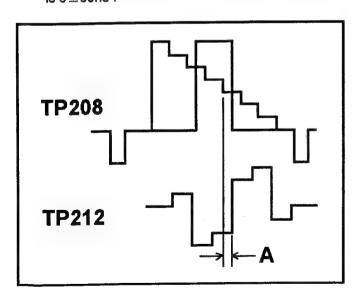
ECU CONNECT :EVR

IF ADJ. :OFF

 Adjust the VR111 so that the phase difference A between TP212 and TP208 is within 0±20ns.

(NTSC only) Select VIDEO in the menu of REC SIGNAL (FUNCTION 3/5).

3. (NTSC only) Confirm that the phase difference A is 0 ± 50 ns .



6-12. Y Clamp DC Adjustment

BOARD	Video I/F
TEST	TP301(Y PED)
ADJUST	EVR
INPUT	Internal Color Bar
MODE	EE
M.EQ	Oscilloscope

Menu Setting

1. Open the operation panel.

Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

3. Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL

:CAM (NTSC only)

PAGE: SERVICE ADJ.

ECU CONNECT

:EVR

IF ADJ.

:OFF

EVR Setting

CMD: 02DATA: 73 ADR: 11

- Monitor the TP301and press [→] or [←] key in EVR so that the level is about 5 Vdc(flat).
- If flat 5Vdc does not appear, adjust high level of pulse to 5V.

6-13. Y Level Adjustment

BOARD	Video I/F
SPEC.	700±15mV
TEST	VIDEO OUT
ADJUST	VR104(Y LEV)
INPUT	Internal Color Bar
MODE	EE
M.EQ	Waveform Monitor

Menu Setting

1. Open the operation panel.

Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

3. Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL

:CAM (NTSC only)

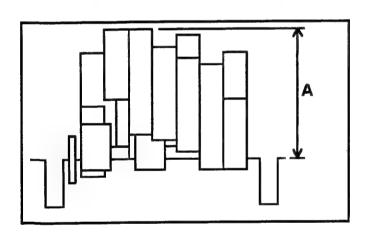
PAGE: SERVICE ADJ.

ECU CONNECT :EVR

IF ADJ.

:ON

 Monitor the VIDEO OUT and adjust the VR104 so that the level A is within specification.



6-14. Vector Adjustment (Camera)

BOARD	Video I/F
TEST	VIDEO OUT
ADJUST	VR108(PB LEV), VR112(PR LEV), EVR
INPUT	Internal Color Bar
MODE	EE
M.EQ	Vector Scope

Menu Setting

1. Open the operation panel.

2. Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

3. Set as follows:

PAGE: MAIN FUNCTION

REC SIGNAL

:CAM (NTSC only)

PAGE: SERVICE ADJ.

ECU CONNECT

:EVR

IF ADJ.

:ON

PAGE: LEVEL 3/6

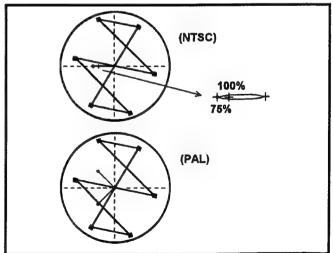
SET UP

:7.5% (NTSC only)

EVR Setting

CMD: 02DATA: 63 ADR: 12 CMD: 02DATA: 63 ADR: 13

Adjust the VR108 and VR112 and press [→] or [←] key in EVR so that the vector center is at the center of the vector scope and each dot is in the marker of the vector scope.



7. Servo

7-1. Reel Torque Adjustment

BOARD	Servo
SPEC.	20±2mV
TEST	TP301(S), TP302(T), TG300(GND)
ADJUST	VR501(T), VR502(S)
MODE	PLAY
M.EQ	Digital Volt Meter

- Confirm the power off and make a short-circuit between TP116 and TP505.
- Turn the power ON and then set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- 3. Hold the S-Reel by hand and press the PLAY key.
- Adjust the VR502 so that the TP301(for S Reel) is within specification.
- 5. Hold the T-Reel by hand and press the PLAY key.
- Adjust the VR501 so that the TP302(for T Reel) is within specification.
- 7. Make a open-circuit between TP200 and TP505.

Note.

1. Make a black tube* by yourself.

7-2. Tension Offset Adjustment

BOARD	Servo	1.15
		
SPEC.	2.5±0.1V	
TEST	TP402	
ADJUST	VR402	
MODE	EJECT	
M.EQ	Digital Volt Meter	n 1 1

 Adjust the VR402 so that the TP402 voltage is within specification.

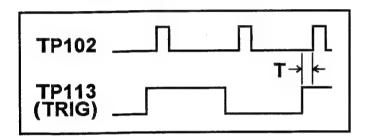
Note.

1. Make a black tube* by yourself.

7-3. PG Shifter Adjustment

BOARD	Servo
BOARD	Servo
SPEC.	126.3±2.5 μ s
TEST	TP113, TP102
ADJUST	VR101
MODE	PLAY
TAPE	Color Bar
M.EQ	Oscilloscope

Adjust the VR101 so that the T is within specification.(Trigger: TP113)



8. RF

8-1. Initial Setting(Auto)

Note.: Following procedures are required when using RF Adjustment Tool (VFK1163). Refer to Manual Adjustment for procedures with spectrum analyzer.

- Connect the Camera Recorder, personal computer and tools as shown in figure.
- 2. IC clip of VFK1185 is not connected.

Menu Setting

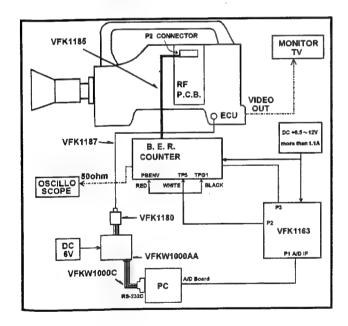
- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: SERVICE ADJ.

ECU CONNECT :EVR

CONCEAL :OFF

4. After setting turn the menu OFF.



8-2. PLL VCO Adjustment

BOARD	RF
SPEC.	A=B=2.0±0.1V
TEST	TP506, TP507
ADJUST	EVR
MODE	PLAY
TAPE	Color Bar
M.EQ	Oscilloscope,EVR

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: SERVICE ADJ.

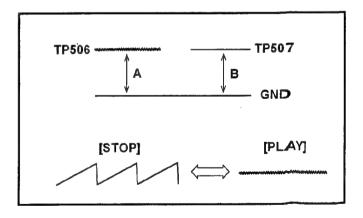
SERVO MODE :CTL

4. After setting turn the menu OFF.

EVR Setting

CMD: 02 DATA: 7A ADR: 0B

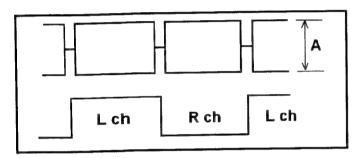
- 1. Monitor the TP506 and 507 in the DC mode.
- Press the [→] or [←] key in EVR so that the levels
 A and B are the same.
- 3. After adjusting change SERVO MODE to ATF.



8-3. R/P Envelope Level Confirmation

BOARD	RF
SPEC.	A≧70mV
TEST	R/P ENV,HSW(B.E.R.Counter) (50 Ω terminated)
MODE	PLAY
TAPE	Color Bar
M.EQ	Oscilloscope

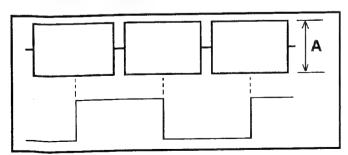
1. Confirm that the waveform is flat.



8-4. PB Envelope Level Adjustment

BOARD	RF
SPEC.	100±10mV
TEST	PB ENV, HSW(B.E.R.Counter) (50 Ω terminated)
ADJUST	VR400(PB L), VR401(PB R)
MODE	PLAY
TAPE	Color Bar
M.EQ	Oscilloscope

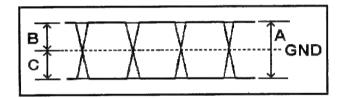
- Confirm that the waveform is as shown in figure below.
- Adjust the VR400(L ch) and VR401(R ch) so that the level A is within specification.



8-5. HSE Input Confirmation

BOARD	RF
TEST	TP201, TP300(Trigger)
ADJUST	VR200(DUTY)
MODE	REC
TAPE	Blank Tape
M.EQ	Oscilloscope

- 1. Set the oscilloscope to AC mode.
- 2. Monitor the **TP201** and confirm that A is 1.3 \pm 0.1V.
- 3. Confirm that B and C are the same.
- 4. If necessary, adjust the VR200 slightly.



8-6. PB Equalizer Adjustment(Auto)

Note.: Following procedures are required when using RF Adjustment Tool (VFK1163). Refer to Manual Adjustment for procedures with spectrum analyzer.

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- Set as follows:

PAGE: SERVICE ADJ.

ECU CONNECT :EVR

CONCEAL

:OFF

INNER ECC

:OFF

OUTER ECC

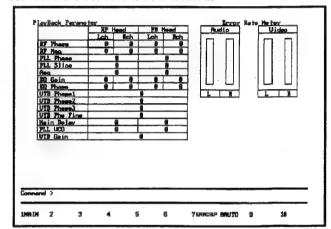
:OFF

SERVO MODE

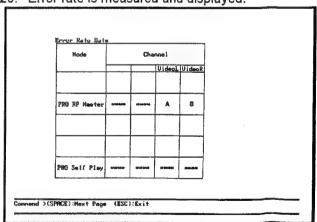
:ATF

- After setting turn the menu OFF.
- Copy all files contained in floppy disk to a directory of hard disc drive. (ex. C:\DVCEQ)
- Execute DVCRF.EXE file on DOS command prompt condition. (ex. "C:\DVCEQ\DVCRF")
- Select (2)AJ-D700 in DVCPRO MODEL SE-LECT.
- Select (1)NORMAL in PROGRAM SELECT. 4.
- Wait about 20 seconds for parameter loading.
- Confirm all equipments are turned on. 6.
- Personal Computer(PC) asks "Do you transfer 7. BOOT PROGRAM?". Select [Y].
- PC asks whether any error has happened or not.
- MAIN MENU is available.
 - F1 MENU
 - 1.PB Adjustment
 - 2.REC Adjustment
 - 3.Result
 - 4.File
 - 5.Restart
 - 6.End

- 10. Select 1.PB Adjustment.
- 11. Select whether downloading data from VTR or
- 12. Press F8 to select AUTO.
- 13. Confirm there is no tape in VTR and press [ENTER] key.
- 14. PC asks "Initial Adjust?". Select [Y].
- 15. Select 1.All Adjust in PB Auto Menu.
- 16. Insert an Alignment tape and play back color bar portion according to instruction on display.
- 17. Don't touch VTR and PC while adjusting.
- 18. Audio error rate isn't indicated.



- 19. Adjustment is over in several minutes.
- 20. Error rate is measured and displayed.

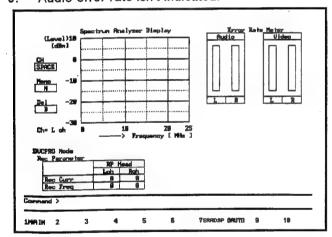


21. Confirm data A abd B are green. If there is any red one, try again after cleaning a head and tape transportation.

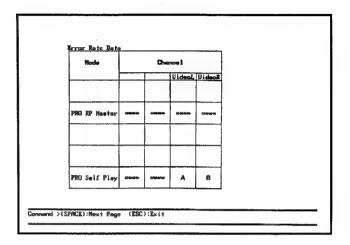
8-7. Rec. Curr. & Freq. Adj.(Auto)

Note.: Following procedures are required when using RF Adjustment Tool (VFK1163). Refer to Manual Adjustment for procedures with spectrum analyzer.

- Open MAIN MENU according to the same procedure as PB Equalizer Adjustment.
- 2. Select 2.REC Adjustment in MAIN MENU.
- Select whether downloading data from VTR or not.
- 4. Press F8 to select AUTO.
- 5. Select 1.Adjust start in sub menu.
- Insert an Alignment tape and play back color bar portion according to instruction on display.
- 7. After memorizing playback data, insert a blank tape and start recording.
- 8. Don't touch VTR and PC while adjusting.
- 9. Audio error rate isn't indicated.



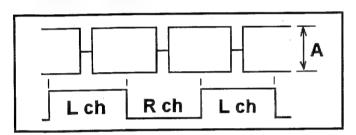
- Rewind a tape and play back recorded portion according to instruction on display.
- 11. Error rate is measured and displayed.
- 12. Confirm data A and B are green.



8-8. Confidence PB Adjustment

BOARD	RF
SPEC.	100±10mV
TEST	PB ENV, HSW(B.E.R.Counter) (50 Ω terminated)
ADJUST	VR400(PB L), VR401(PB R)
INPUT	Internal Color Bar
MODE	REC
TAPE	Blank Tape
M.EQ	Oscilloscope

 Adjust the VR400 and 401 so that the level A is within specification in confidence PB.



8-9. Final Confirmation

BOARD	RF
TEST	VIDEO OUT
INPUT	Internal Color Bar
MODE	REC, PLAY
M.EQ	B.E.R. Counter, Monitor TV

- 1. Record internal color bar.
- 2. Play back the recorded portion.
- Confirm that error rate is less than 23 on L and R channels.
- 4. Play back the recorded portion on AJ-D750 and confirm that error rate is less than A.
- If out of specification, readjust Rec Current and Frequency Response.
- 6. Set as follows:

PAGE: SERVICE ADJ.

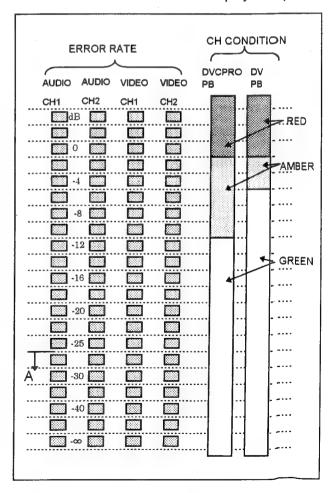
INNER ECC

:ON

OUTER ECC

:ON

7. Confirm that there is no error in playback picture.



[Manual Adjustment]

Initial Setting(Manual)

Note.: Following procedures are required when using spectrum analyzer instead of RF Adjustment Tool.

 Connect the Camera Recorder, EVR and B.E.R. counter as shown in figure.

Menu Setting

1. Open the operation panel.

2. Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

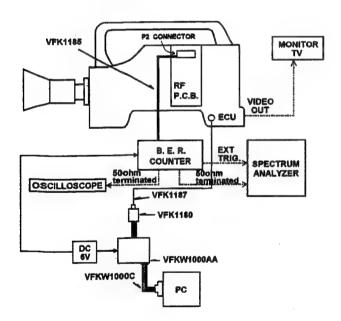
3. Set as follows:

PAGE: SERVICE ADJ.

ECU CONNECT :EVR

CONCEAL :OFF

4. After setting turn the menu OFF.



PB Equalizer Adjustment 1(Manual)

BOARD	RF
SPEC.	20.93±0.1MHz
TEST	EYE PAT, HSW(B.E.R.Counter)
ADJUST	EVR
MODE	PLAY
TAPE	Color Bar
M.EQ	Spectrum Analyzer, EVR

Menu Setting

1. Open the operation panel.

2. Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.

3. Set as follows:

PAGE: SERVICE ADJ.

ECU CONNECT :EVR

CONCEAL

:OFF

INNER ECC

:OFF

OUTER ECC

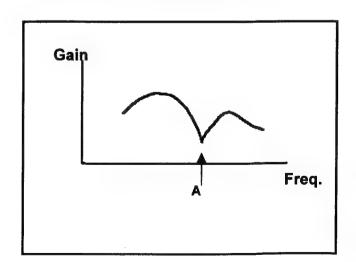
:OFF

4. After setting turn the menu OFF.

EVR Setting

CMD: 02DATA: C4 ADR: 0E

Press the [→] or [←] key in EVR so that the frequency at A portion is within specification.



PB Equalizer Adjustment 2(Manual)

BOARD	RF
TEST	VIDEO OUT, B.E.R.Counter
ADJUST	EVR
MODE	PLAY
TAPE	Color Bar
M.EQ	B.E.R. Counter, Monitor TV

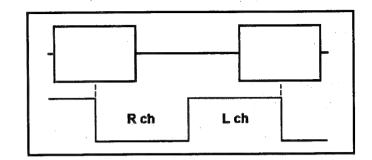
EVR Setting

CMD: 02DATA: 90 ADR: 07 (EQ α L) CMD: 02DATA: 90 ADR: 08 (EQ α R) CMD: 02DATA: 35 ADR: 09 (EQ β L) CMD: 02DATA: 35 ADR: 0A (EQ β R) CMD: 02DATA: 66 ADR: 0D (PLL SL) CMD: 02DATA: 9E ADR: 0F (PLL POS) CMD: 02DATA: CC ADR: 10 (AUTO EQ)

- Monitor the VIDEO OUT in monitor TV.
- Set the ERROR COUNT ON in the B.E.R. counter.
- 3. Select L ch in the B.E.R. Counter.
- Repeat adjusting the EQ α L, EQ β L, PLL SL, PLL POS and AUTO EQ until the error rate is minimized.(Start from the initial setting mentioned above and press [→] or [←] key in EVR to adjust.)
- 5. Select R ch in the B.E.R. Counter.
- 6. Fineadjust the EQ α R and EQ β R until the error rate is minimized.

Rec. Curr. & Freq.(L ch) Adj.(Manual)

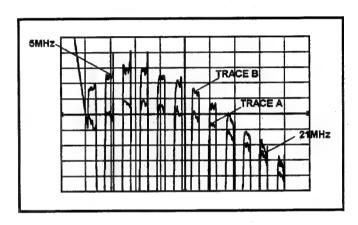
BOARD	RF
TEST	PB ENV, HSW(B.E.R.Counter)
ADJUST	VR401(PB R), EVR
INPUT	Internal Color Bar
MODE	PLAY, REC
TAPE	Color Bar, Blank Tape
M.EQ	Oscilloscope, Spectrum Analyzer, EVR



EVR Setting

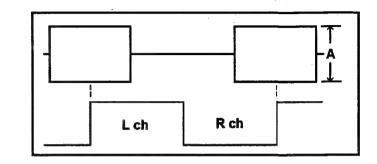
CMD: 02DATA: **80** ADR: **20** (REC CUR L) CMD: 02DATA: **FF** ADR: **1E** (REC FRE L)

- Play back the color bar tape and monitor the HSW and PB ENV(50Ω terminated).
- 2. Turn the VR401 until the R ch level is minimized.
- 3. Input the PB ENV to the spectrum analyzer.
- 4. Store the average of 30 samples in TRACE B.
- 5. Eject the alignment tape and insert the blank tape.
- 6. Monitor the PB envelope in the spectrum analyzer without averaging.
- 7. Set the EVR to REC CUR L mode.
- 8. Press the [→] or [←] key in EVR so that the level of confidence PB at 5MHz is 4dB lower than that of TRACE B.
- 9. Set the EVR to REC FRE L mode.
- Press the [←] key in EVR until the level at 21MHz is maximized first.
- 11. Set the EVR to REC CUR L mode.
- 12. Press the [→] or [←] so that the level at 5MHz is the same as TRACE B.
- 13. If the level of confidence PB at 21MHz is lower than TRACE B, adjust so that the spectrum of confidence PB is a similar figure to TRACE B in the range less than 20MHz.
- 14. If the level of confidence PB at 21MHz is higher than TRACE B, adjust so that the level of confidence PB around 5MHz is the same as TRACE B regardless of similarity.



Rec. Curr. & Freq.(R ch) Adj.(Manual)

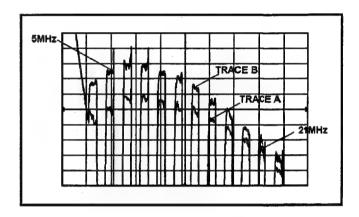
BOARD	RF
SPEC.	A=100±10mV
TEST	PB ENV, HSW(B.E.R.Counter)
ADJUST	VR400(PB L), VR401(PB R), EVR
INPUT	Internal Color Bar
MODE	PLAY, REC
TAPE	Color Bar, Blank Tape
M.EQ	Oscilloscope, Spectrum Analyzer, EVR



EVR Setting

CMD: 02DATA: 80 ADR: 21 (REC CUR R)
CMD: 02DATA: FF ADR: 1F (REC FRE R)

- Play back the color bar tape and monitor the HSW and PB ENV(50 Ω terminated).
- 2. Turn the VR400 until the L ch level is minimized.
- Adjust the VR401 so that the R ch level is within specification.
- 4. Input the PB ENV to the spectrum analyzer.
- 5. Store the average of 30 samples in TRACE B.
- 6. Eject the alignment tape and insert the blank tape.
- 7. Monitor the confidence PB envelope in the spectrum analyzer without averaging.
- 8. Set the EVR to REC CUR R mode.
- Press the [→] or [←] key in EVR so that the level of confidence PB at 5MHz is 4dB lower than that of TRACE B.
- 10. Set the EVR to REC FRE R mode.
- Press the [←] key in EVR until the level at 21MHz is maximized first.
- 12. Set the EVR to REC CUR R mode.
- 13. Press the [→] or [←] so that the level at 5MHz is the same as TRACE B.
- 14. If the level of confidence PB at 21MHz is lower than TRACE B, adjust so that the spectrum of confidence PB is a similar figure to TRACE B in the range less than 20MHz.
- 15. If the level of confidence PB at 21MHz is higher than TRACE B, adjust so that the level of confidence PB around 5MHz is the same as TRACE B regardless of similarity.



9. Audio LCD 9-1. Initial Setting

Menu Setting

- Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: MAIN FUNCTION

PHANTOM FRONT

:OFF PHANTOM CH1

PHANTOM CH2

:OFF

:OFF

PAGE: FUNCTION 4/5

FRONT MIC

:-60dB

REAR MIC CH1

:-60dB

REAR MIC CH2

:-60dB

LINE CH1/CH2

:(NTSC) +4dB

:(PAL) 0dB

REAR AUDIO

:STEREO

MIC LOWCUT CH1

:OFF

MIC LOWCUT CH2

EMPHASIS

:OFF

:OFF

PAGE: FUNCTION 5/5

AUDIO OUT

:CH1

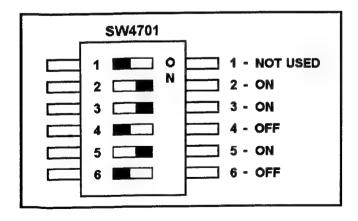
LIMITER

:OFF

TEST TONE

:OFF

- After setting turn the menu OFF. 4.
- Set the SW4701 on Audio LCD board as shown in figure.



9-2. Playback Level Adjustment

BOARD	Audio LCD
SPEC.	(CH 1/CH 2) -20dBu±0.2dB (AUDIO OUT) (NTSC) 4dBu±0.2dB (PAL) 0dBu±0.2dB
TEST	Multi Connector(CH1,CH2), AUDIO OUT
ADJUST	VR301, VR401, VR701
MODE	PLAY
TAPE	(NTSC) VFM3580KM(No.1:0~14min) (PAL) VFM3680KM(No.1:0~14min)
M.EQ	<1>Audio Precision, VFK1210 <2>VTVM, SHAN-C12TCA

SW Setting

AUDIO IN CH1

: REAR, LINE

AUDIO IN CH2

: REAR. LINE

AUDIO SELECT : MAN

- <1. Using Audio Precision>
- Connect multi connector with Audio Precision using VFK1210.
- Adjust the VR301(CH 1) so that the levels of CH 1 (12pin multi connector) is within specification.
- 3. Adjust the VR401(CH 2) so that the levels of CH 2 (12pin multi connector) is within specification.
- Adjust the VR701 so that the level of AUDIO **OUT**(XLR at Rear Jack) is within specification.

<2. Using VTVM>

- 1. When using VTVM, connect multi connector with VTVM with SHAN-C12TCA(Red:CH1, Black:
- 2. Follow the same procudure as <1. Using Audio Precision>.

9-3. Recording Level Adjustment

BOARD	Audio LCD
SPEC.	-20dBu±0.2dB
TEST	Multi Connector(CH1,CH2)
ADJUST	VR102, VR202
INPUT	(NTSC) 1kHz 4dBu Sine Wave (PAL) 1kHz 0dBu Sine Wave
MODE	EJECT
M.EQ	<1>Audio Precision, VFK1210 <2>VTVM, SHAN-C12TCA, CR Oscillator

SW Setting

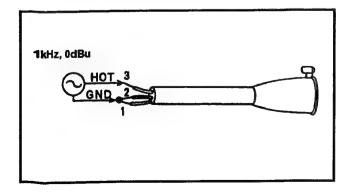
AUDIO IN CH1 : REAR, LINE AUDIO IN CH2 : REAR, LINE

AUDIO SELECT : MAN

- <1. Using Audio Precision>
- Connect multi connector with Audio Precision using VFK1210.
- 2. Set the AUDIO LEVEL VRs to center position.
- Input the signal mentioned above to AUDIO IN CH1 connector.
- 4. Adjust the VR102 so that the level of CH 1 OUT (multi connector) is within specification.
- Input the signal mentioned above to AUDIO IN CH2 connector.
- Adjust the VR202 so that the level of CH 2 OUT (multi connector) is within specification.

<2. Using VTVM>

- When using VTVM, connect multi connector with VTVM with SHAN-C12TCA(Red:CH1, Black: CH2).
- 2. Follow the same procudure as <1. Using Audio Precision>.
- 3. Use the cable shown below to input signal.



9-4. Meter Adjustment

BOARD	Audio LCD
SPEC.	(NTSC)0.63±0.005V,(PAL)0.71±0.005V
TEST	TP102, TP202
ADJUST	VR103, VR203
INPUT	(NTSC) 1kHz 4dBu Sine Wave (PAL) 1kHz 0dBu Sine Wave
MODE	EJECT
M.EQ	<1>Digital Volt Meter, Audio Precision <2>Digital Volt Meter, CR oscillator

SW Setting

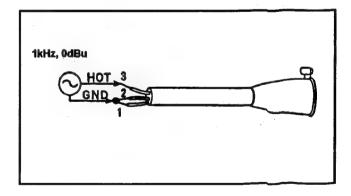
AUDIO IN CH1 : REAR, LINE AUDIO IN CH2 : REAR, LINE

AUDIO SELECT : MAN

- <1. Using Audio Precision>
- Input the signal mentioned above to AUDIO IN CH1 connector.
- Adjust the VR103 so that the DC voltage at the TP102 is within specification.
- Input the signal mentioned above to AUDIO IN CH2 connector.
- 4. Adjust the VR203 so that the DC voltage at the TP202 is within specification.
- Confirm that the Audio Level Meter on LCD indicates one scale higher than -20dB.

<2. Using CR Oscillator>

 Follow the same procudure as <1. Using Audio Precision>.



9-5. Test SG Adjustment

BOARD	Audio LCD
SPEC.	(Distortion)1.0±0.1% (Level)-20dBu±0.5dB
TEST	Multi Connector(CH 1)
ADJUST	VR1, VR2
MODE	EJECT
M.EQ	Frequency Counter <1>Audio Precision, VFK1210 <2>VTVM, SHAN-C12TCA, Distortion Meter

SW Setting

AUDIO IN CH1

: FRONT, MIC

AUDIO IN CH2

: REAR, LINE

AUDIO SELECT : MAN

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT] and [+] buttons, set MENU switch to SET position.
- 3. Set as follows:

PAGE: FUNCTION 5/5

TEST TONE

:ON

- 4. After setting turn the menu OFF.
- <1. Using Audio Precision>
- Confirm that no signal is input.
- Select BARS in OUTPUT SW and FRONT MIC in 2. AUDIO IN SW CH1.
- Confirm that 1kHz test signal is output. 3.
- Adjust the VR1 so that the distortion is within 4.
- Adjust the VR2 so that the level is within specifi-5. cation.
- After the adjustment, return TEST TONE to OFF.

<2. Using VTVM>

Follow the same procudure as <1. Using Audio Precision>.

9-6. CUE Recording Level Adjustment

BOARD	Audio LCD
SPEC.	0.245Vrms±0.006V
TEST	TP501
ADJUST	VR501, SW701-2pin
INPUT	(NTSC) 1kHz 4dBu Sine Wave (PAL) 1kHz 0dBu Sine Wave
MODE	EJECT
M.EQ	<1>Oscilloscope, Audio Precision <2>Oscilloscope, CR oscillator

SW Setting

AUDIO IN CH1

: REAR, LINE

AUDIO IN CH2

: REAR, LINE

AUDIO SELECT : MAN

- <1. Using Audio Precision>
- Input the signal mentioned above to AUDIO IN CH1 connector.
- Set the 2nd pin of SW701 to OFF and adjust the VR501 so that the level is within specification.
- 3. After the adjustment, return the 2nd pin of SW701 to ON.

<2. Using CR Oscillator>

1. Follow the same procudure as <1. Using Audio Precision>.

9-7. CUE Rec. Current Adjustment

BOARD	Audio LCD
SPEC.	0.775Vrms±0.05V
TEST	TP505
ADJUST	VR1002(Rear Jack Board), VR503
INPUT	1kHz 4dBu Sine Wave
MODE	PLAY
TAPE	(NTSC) VFM3580KM(No.1:0∼14min) (PAL) VFM3680KM(No.1:0∼14min) Blank Tape
M.EQ	<1>Oscilloscope, Audio Precision <2>Oscilloscope, CR oscillator

SW Setting

AUDIO IN CH1

: REAR, LINE

AUDIO IN CH2

: REAR, LINE

AUDIO SELECT : MAN

MANI

- <1. Using Audio Precision>
- Confirm that the 2nd pin of SW701 to OFF and input the signal mentioned above to AUDIO IN CH1 connector.
- Playback the alignment tape and adjust the VR503 so that the level at the TP505 is 0.195Vrms±0.015V.
- 3. Record the signal.
- 4. Play back the recorded signal and adjust the VR1002 on the Rear Jack Board so that the level difference from the level adjusted above is within specification. (VR1002 is mounted on bottom side, below the flat cable connecting Audio LCD Board with Rear Jack Board.)
- 5. After the adjustment, return the 2nd pin of **SW701** to ON.

<2. Using CR Oscillator>

 Follow the same procudure as <1. Using Audio Precision>.

9-8. Final Setting

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set MENU switch to SET position.
- 3 Set as follows:

PAGE: MAIN FUNCTION

PHANTOM FRONT

:ON

PHANTOM CH1

:OFF

PHANTOM CH2

:OFF

PAGE: FUNCTION 4/5
FRONT MIC

:-40dB

REAR MIC CH1

-10UD

REAR MIC CH2

:-60dB :-60dB

LINE CH1/CH2

:(NTSC) +4dB

:(PAL) OdB

REAR AUDIO

:STEREO

MIC LOWCUT CH1

:OFF

MIC LOWCUT CH2
EMPHASIS

:OFF

PAGE: FUNCTION 5/5

AUDIO OUT

.0114

LIMITER

:CH1

TEST TONE

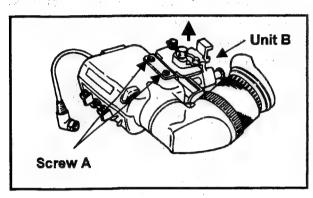
:ON

4. After setting turn the menu OFF.

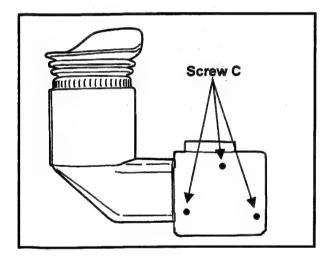
10. EVF

Preparation

1. Remove two screws A to pull off the unit B.



- 2. Remove three screws C at bottom side.
- 3. Open bottom case.
- 4. Connect EVF cable with AJ-D700.



10-1. H Free Run Adjustment

BOARD	VIDEO	
SPEC.	15.75±0.1kHz (NTSC)	
	15.625±0.1kHz (PAL)	
TEST	TP9102(H Def Board)	•
ADJUST	VR9001	
M.EQ	Frequency Counter	

 Adjust the VR9001 so that the frequency at the TP9102 is within specification without input signal.

10-2. V Free Run Adjustment

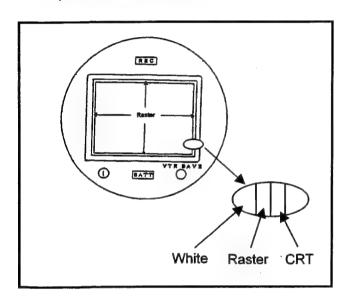
BOARD	VIDEO
SPEC.	54±0.5Hz (NTSC)
	46±0.5Hz (PAL)
TEST	TP9002
ADJUST	VR9002
M.EQ	Frequency Counter

 Adjust the VR9002 so that the frequency at the TP9002 is within specification without input signal.

10-3. Sub Bright Adjustment

BOARD	H Def
TEST	EVF Picture
ADJUST	VR9103
SUBJECT	90% White

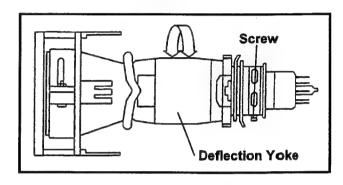
- 1. Set BRIGHT VR to MAX, CONTRAST VR to MAX and PEAKING VR to MIN.
- 2. Adjust the VR9103 so that raster slightly appears.

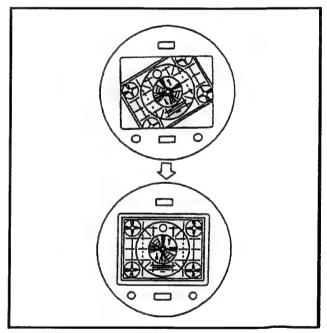


10-4. Rotation Adjustment

TEST	EVF Picture
ADJUST	Deflection Yoke
SUBJECT	Registration Chart

- Loosen the screw and rotate Deflection Yoke so that the picture stands horizontally.
- 2. Tighten the screw again.

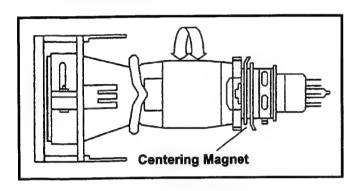


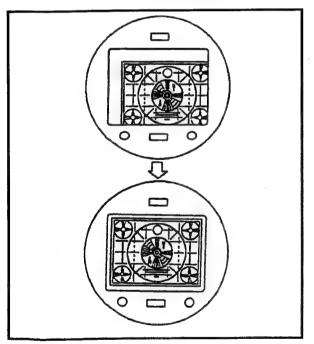


10-5. Centering Adjustment

BOARD	H Def
TEST	EVF Picture
ADJUST	Centering Magnet
SUBJECT	Registration Chart

- Set BRIGHT VR to MAX, CONTRAST VR to MAX and PEAKING VR to MIN.
- 2. Rotate Centering Magnet so that the picture stands at the center.

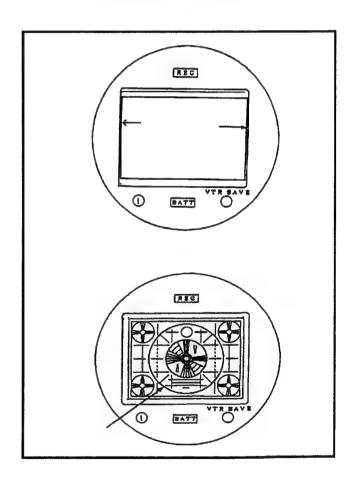




10-6. Size Adjustment

BOARD	H Def, VIDEO
TEST	EVF Picture
ADJUST	VR9101(H DEF), VR9003(VIDEO)
SUBJECT	Registration Chart

- 1. Set BRIGHT VR to MAX, CONTRAST VR to MAX and PEAKING VR to MIN.
- 2. Adjust the VR9101 so that the picture is maximized
- 3. Repeat Rotation and Centering adjustments slightly in case of need.
- Adjust the VR9003 so that the circle of chart is most round.



10-7. V Linearity Adjustment

BOARD	VIDEO
TEST	EVF Picture
ADJUST	VR9004
SUBJECT	Registration Chart

 Adjust the VR9004 so that the circle of chart is most round.

10-8. Balance Adjustment

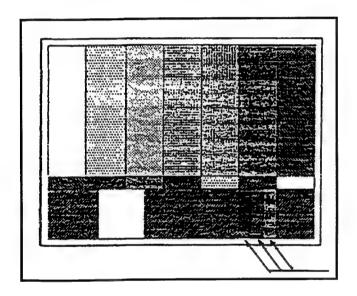
TEST	EVF Picture
ADJUST	Deflection Yoke Centering Magnet VR9003, VR9004
SUBJECT	Registration Chart

 Fineadjust Rotation, Centering, Size(Vertical) and V Linearity.

10-9. Bright Adjustment

BOARD	VR.SW
TEST	EVF Picture
ADJUST	VR9301
SUBJECT	Color Bar(SMPTE)

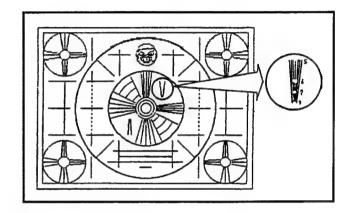
- Set CONTRAST VR to MAX and PEAKING VR to MIN.
- 2. Monitor the three regions indicated by arrow
- Adjust the VR9301 so that the right region is slightly lighted and other two is black.



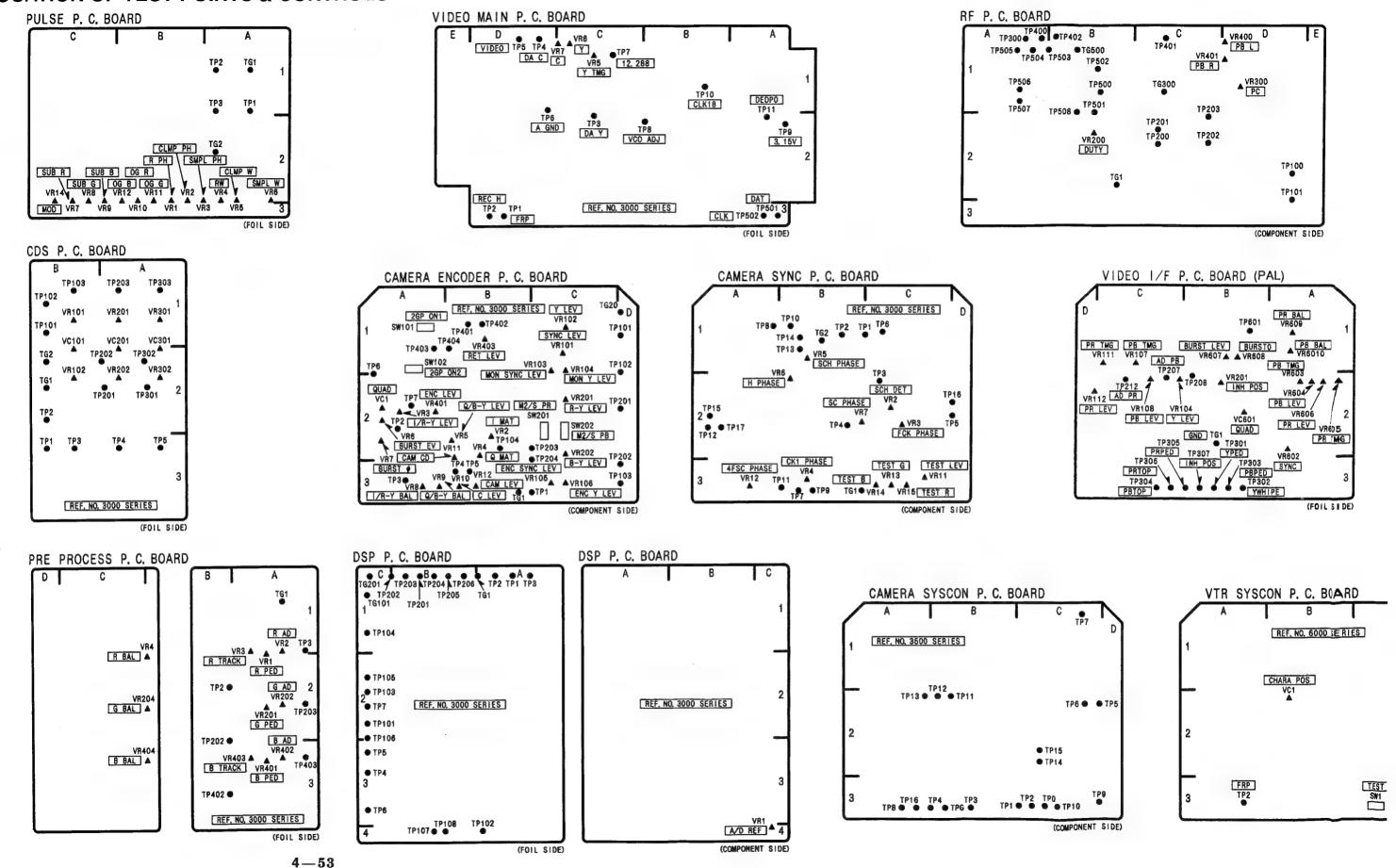
10-10. Focus Adjustment

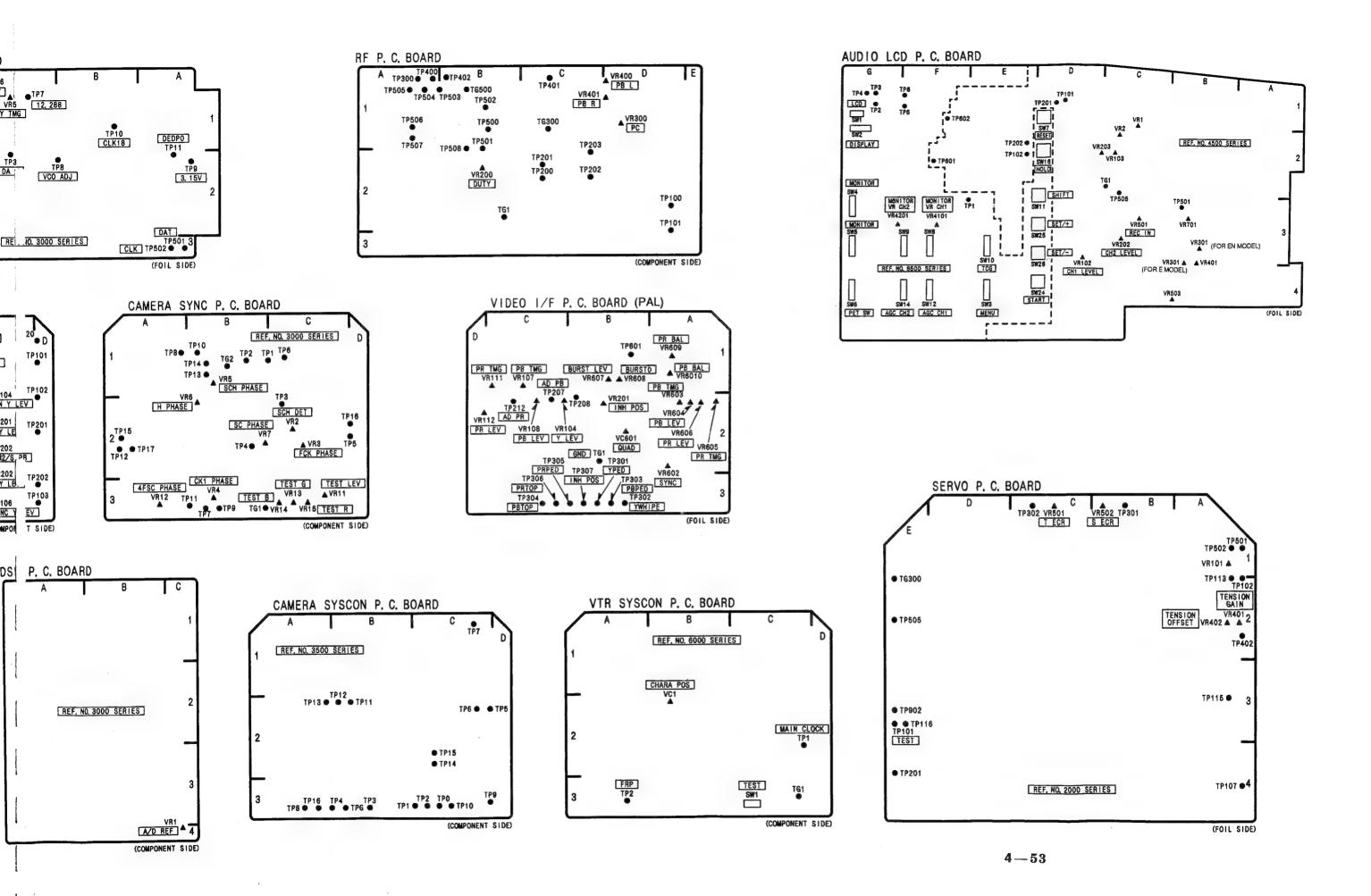
BOARD	H DEF
TEST	EVF Picture
ADJUST	VR9102
SUBJECT	Registration Chart

- Set CONTRAST VR to MAX and PEAKING VR to
 MIN
- 2. Adjust the VR9102 so that resolution is best.



LOCATION OF TEST POINTS & CONTROLS





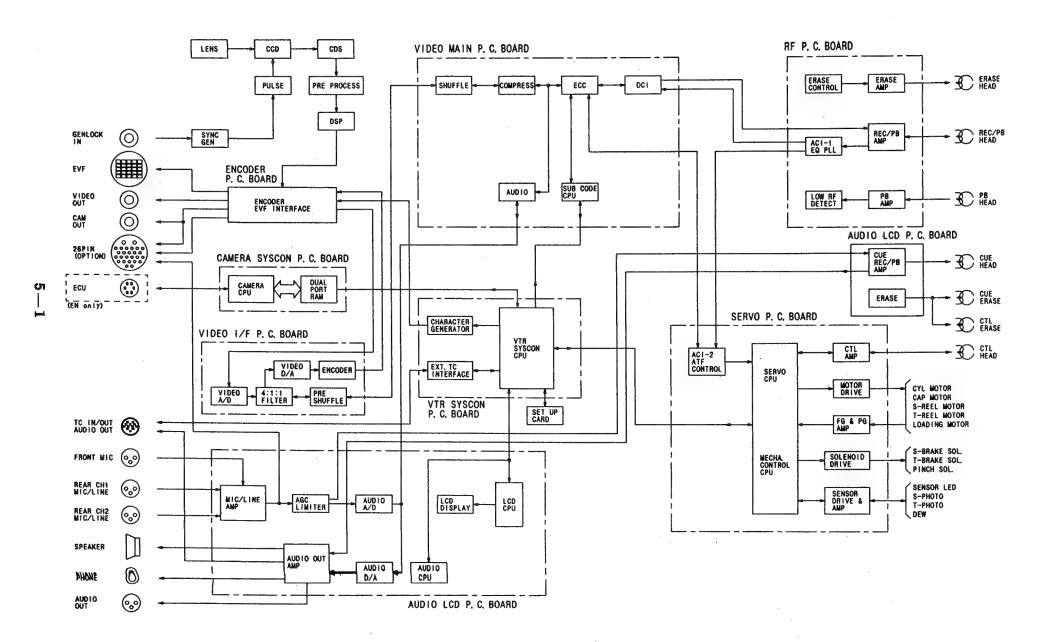
SECTION 5

BLOCK DIAGRAMS

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OVERALL BLOCK DIAGRAM



CDS P.C.Board

CDS is the abbreviation of Correlated Double Sampling which smoothes CCD outputs.

Input signal, R IN, from CCD P.C.Board is processed with LPF. After that it has two ways. Upper one is for signal component process, lower one is for noise component.

In upper way the sample pulse, SMPL, samples and holds the charge level of signal component. The clamp pulse, CLMP, samples and holds the pedestal level of signal component.

In lower way the sample pulse, SMPL, samples and holds the noise level of signal component. The clamp pulse, CLMP, samples and holds the pedestal level of noise component.

The difference between signal component and noise component is output to Pre Process P.C.Board as R-S/H.

VC101 is the VR to minimize career leak. VR102 adjusts DC level, and VR101 does output level.

Input signal, **G IN,** from CCD P.C.Board is processed with **LPF.** After that it has two ways. Upper one is for signal component process, lower one is for noise component.

In upper way the sample pulse, SMPL, samples and holds the charge level of signal component. The clamp pulse, CLMP, samples and holds the pedestal level of signal component.

In lower way the sample pulse, SMPL, samples and holds the noise level of signal component. The clamp pulse, CLMP, samples and holds the pedestal level of noise component.

The difference between signal component and noise component is output to Pre Process P.C.Board as G-S/H.

VC201 is the VR to minimize career leak. VR202 adjusts DC level, and VR201 does output level.

Input signal, B IN, from CCD P.C.Board is processed with LPF. After that it has two ways. Upper one is for signal component process, lower one is for noise component.

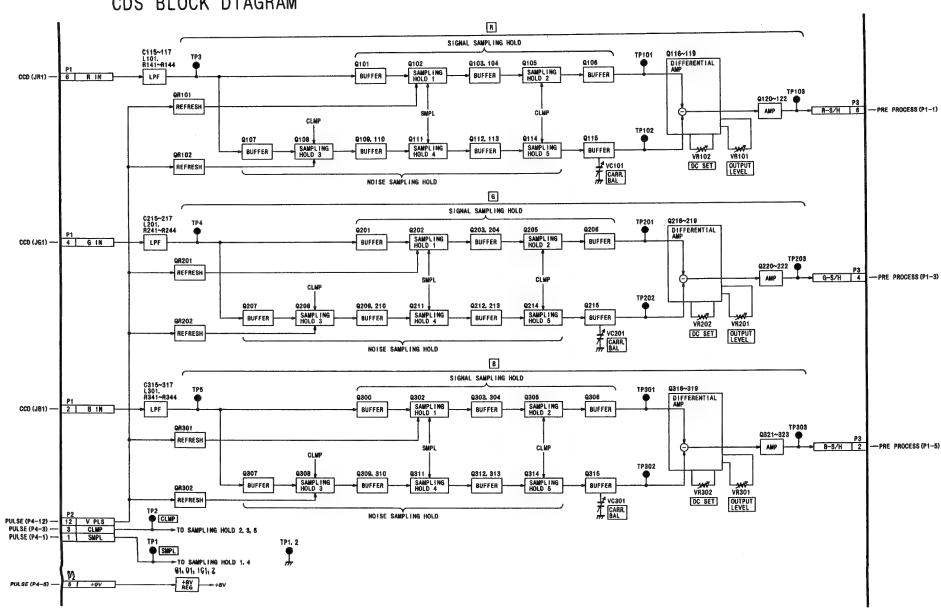
In upper way the sample pulse, SMPL, samples and holds the charge level of signal component. The clamp pulse, CLMP, samples and holds the pedestal level of signal component.

In lower way the sample pulse, SMPL, samples and holds the noise level of signal component. The clamp pulse, CLMP, samples and holds the pedestal level of noise component.

The difference between signal component and noise component is output to Pre Process P.C.Board as B-S/H.

VC301 is the VR to minimize career leak. VR302 adjusts DC level, and VR301 does output level.

O



Pulse P.C.Board

This circuit makes those pulses which drive CCD.

IC2 makes V-CCD Drive Pulse of VA1~VA4,VB1~VB4,Charge Pulse of CH1,CH2 and Shutter Pulse of CHS from V Drive Pulse CCD VD supplied from Sync P.C.Board. Shutter speed is controlled by SHUT A,SHUT B and SHUT C. The logic table is located on the top left of the diagram.

SLOW SHUTTER of IC7,IC8 and IC9 make the shutter pulse used in 1/50 of shutter speed. V-CCD Drive Pulses are supplied to CCD P.C.Board as XVA1~XVA2, XVB1~XVB4.

VR14 can shift H Drive, CCD HD, to change moduration.

The PLL which is composed of phase comparator in IC2 and oscillator X1 generates H-CCD Drive Pulse H12 and H34 in IC1 locked to CCD HD. These are supplied to CCD P.C.Board as XH1, XH2.

Reset Pulse of XR, Clamp Pulse of CLMP and Sample Pulse of SMPL are generated in the same way and supplied to CCD P.C.Board.

OG Voltage of R/G/B depend on VR10,VR11 and VR12. SUB Voltage depend on VR7,VR8 and VR9.

The width and phase of Sample Pulse are adjusted with VR6 and VR3.

The width and Phase of Clamp Pulse are adjusted with VR5 and VR2.

The width and Phase of Reset Pulse are adjusted with VR4 and VR1.

DC voltage of Reset Pulse is adjusted with VR13.

Pre Process P.C.Board

This circuit processes Dark Shading, White Shading, Pre Gamma and so on.

R S/H supplied from CDS P.C.Board is input to LPF,FL1. IC1 is fixed on the 7th side. 30DB SW makes GAIN 6dB up at Q4, 6 and 7 when GAIN setting is 30dB.

Dark Shading, DS R, is added to the output from IC1. The signal is adjusted in Gain at Q4, 6 and 7 and selected with TEST R which is a RAMP signal for test.

IC3 processes White Shading,WS R, and Auto White Balance,AWB R. VR1 adjusts pedestal level. VR3 adjusts pedestal tracking.

IC5 processes Blanking. IC6, Q22 and Q23 process Pre Gamma. VR2 adjusts the level required before A/D conversion. Finally the signal is output to DSP P.C.Board as AD R.

G. S/H supplied from CDS P.C.Board is input to LPF,FL201. IC201 is fixed on the 7th side. 30DB SW makes GAIN 6dB up at Q204, 206 and 207 when GAIN setting is 30dB.

Dark Shading, DS G, is added to the output from IC201. The signal is adjusted in Gain at Q204, 206 and 207 and selected with TEST G which is a RAMP signal for test.

IC203 processes White Shading, WS G, and Auto White Balance, AWB G. VR201 adjusts pedestal level.

IC205 processes Blanking. IC206, Q222 and Q223 process Pre Gamma. VR202 adjusts the level required before A/D conversion. Finally the signal is output to DSP P.C.Board as AD G.

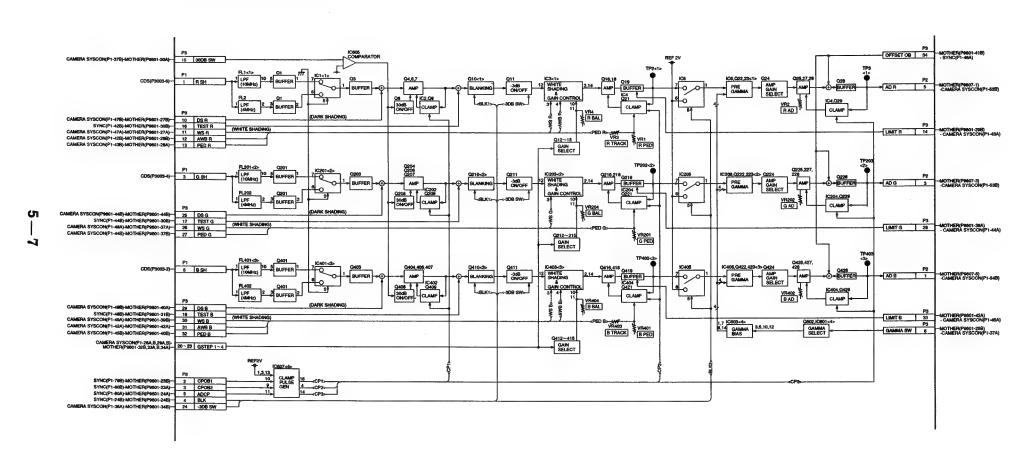
B S/H supplied from CDS P.C.Board is input to LPF,FL401. IC401 is fixed on the 7th side. 30DB SW makes GAIN 6dB up at Q404, 406 and 407 when GAIN setting is 30dB.

Dark Shading, DS B, is added to the output from IC401. The signal is adjusted in Gain at Q404, 406 and 407 and selected with TEST B which is a RAMP signal for test.

IC403 processes White Shading, WS B, and Auto White Balance, AWB B. VR401 adjusts pedestal level. VR403 adjusts pedestal tracking.

IC405 processes Blanking. IC406, Q422 and Q423 process Pre Gamma. VR402 adjusts the level required before A/D conversion. Finally the signal is output to DSP P.C.Board as AD B.

PREPROCESS BLOCK DIAGRAM



CCD P.C.Board

This Board has three CCDs and CCD drive circuits for RGB processes.

IC101 and IC102 make the drive pulses for R CCD.

XVA1~4 generated in Pulse P.C.Board are input to IC101. Those pulses become V-CCD Drive Pulses for image area (A1R~A4R) with V1(16V), V2(GND), V3(-9V) and V4(1V).

XVB1~4 generated in Pulse P.C.Board are input to IC102. Those pulses become V-CCD Drive Pulses for storage area (B1R~B4R) with V1(16V),V2(GND),V3(-9V) and V4(1V). A1R~A4R and B1R~B4R are supplied to IC103,R CCD.

CH1 and CH2 are charge pulses and added to V-CCD Drive Pulses for image area. CHS is shutter pulse and becomes a pulse of 21V in IC101. This is added to SUB voltage, SUB R, and supplied to IC103, R CCD. H-CCD Drive Pulses, H1R and H2R, are generated in IC208 from XH1 and XH2 and supplied to IC103, R CCD. Reset Pulse is generated in IC207 from XR and R DC and supplied to IC103, R CCD. The output signal from R CCD is supplied to CDS P.C.Board via connector JR.

IC201 and IC202 make the drive pulses for G CCD.

XVA1~4 generated in Pulse P.C.Board are input to IC201. Those pulses become V-CCD Drive Pulses for image area (A1G~A4G) with V1(16V),V2(GND),V3(-9V) and V4(1V).

XVB1~4 generated in Pulse P.C.Board are input to IC202. Those pulses become V-CCD Drive Pulses for storage area (B1G~B4G) with V1(16V),V2(GND),V3(-9V) and V4(1V). A1G~A4G and B1G~B4G are supplied to IC203,G CCD.

CH1 and CH2 are charge pulses and added to V-CCD Drive Pulses for image area. CHS is shutter pulse and becomes a pulse of 21V in IC201. This is added to SUB voltage, SUB G, and supplied to IC203, G CCD. H-CCD Drive Pulses, H1G and H2G, are generated in IC208 from XH1 and XH2 and supplied to IC203, G CCD. Reset Pulse is generated in IC207 from XR and R DC and supplied to IC203, G CCD. The output signal from G CCD is supplied to CDS P.C.Board via connector JG.

IC301 and IC302 make the drive pulses for B CCD.

XVA1~4 generated in Pulse P.C.Board are input to IC301. Those pulses become V-CCD Drive Pulses for image area (A1B~A4B) with V1(16V), V2(GND), V3(-9V) and V4(1V).

XVB1~4 generated in Pulse P.C.Board are input to IC302. Those pulses become V-CCD Drive Pulses for storage area (B1B~B4B) with V1(16V),V2(GND),V3(-9V) and V4(1V). A1B~A4B and B1B~B4B are supplied to IC303,B CCD.

CH1 and CH2 are charge pulses and added to V-CCD Drive Pulses for image area. CHS is shutter pulse and becomes a pulse of 21V in IC301. This is added to SUB voltage, SUB B, and supplied to IC303, B CCD. H-CCD Drive Pulses, H1B and H2B, are generated in IC208 from XH1 and XH2 and supplied to IC303, B CCD. Reset Pulse is generated in IC207 from XR and R DC and supplied to IC303, B CCD. The output signal from B CCD is supplied to CDS P.C.Board via connector JB.

CCD BLOCK DIAGRAM

Camera Syscon P.C.Board

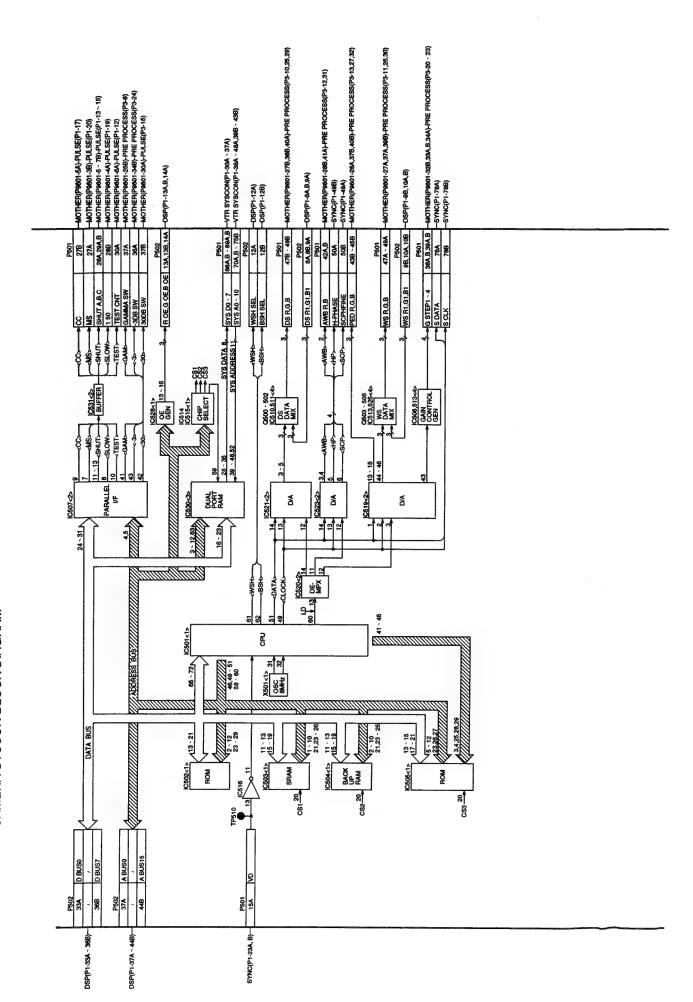
This circuit which is composed of following ICs controls Camera unit and EVR.

IC501 SYSCON CPU
IC502 SYSCON ROM
IC504 Back-up RAM
IC507 Parallel I/F to change Mode

IC530 Dual Port RAM for communication with VTR SYSCON

IC521 is D/A converter for Dark Shading data. This is supplied to DS DATA MIX which is composed of Q500 ~ Q502, IC510 and IC511. The data is added to RGB of DS R1,G1,B1 and output as DS R,G,B. IC519 is D/A converter for White Shading data. This is supplied to WS DATA MIX which is composed of Q503 ~ Q505, IC513 and IC525. The data is added to RGB of WS R1,G1,B1 and output as WS R,G,B.

The data of AWB, H phase and sub-carrier are D/A converted at IC523. Each of those is output as AWB, R B, H-PHASE and SCPHASE.



DSP P.C.Board

DSP is the abbreviation of Digital Signal Processor and processes Blemish Compensation, Gamma, Knee, Masking, Detail and so on at IC101 and IC102.

AD R,AD G and AD B supplied from Pre Process P.C.Board are A/D converted to 10bits of parallel signals at IC4,IC5 and IC6. VR1 adjusts the reference voltage for A/D conversion. R,G, and B converted to digital signal are supplied to IC101. On the other hand Dark Shading data is supplied to IC301,SRAM, via IC302 and IC305. White Shading data is also supplied to IC304,SRAM, via IC302 and IC305. Both are D/A converted at IC303 and IC306 and then supplied to Camera Syscon P.C.Board.

R, G, B input to IC101 are processed with Blemish Compensation, Gamma, Knee and Masking. Then they are supplied to IC102. At the same time the detail signal made inside IC101 are processed with Level Dependent, Dynamic Noise Suppress and Dynamic Detail at IC102.

1/2 pitch of CCD spatial offsets is compensated in IC102. Moreover Chroma Detail and Fresh(Skin) Detail are produced from R,G and B and then added to R,G and B as well as ordinary details mentioned above.

The multiplexers after 1/2 pitch of CCD spatial offsets compensation switch input signal or internal color bar.

After that Clipping and Blanking are performed.

MATRIX converts RGB to Y/R-Y/B-Y.

Outputs from 145th~154th pins are Y, 133th~142nd pins are R-Y, and 117th~126th pins are B-Y. All of those are converted to analog signals at IC202 and supplied to Encoder P.C.Board.

D Y output from 107th~116th pins are delayed Y signal which is required to encode composite signal in Encoder P.C.Board.

Outputs from 93th~102nd pins are Y,R,G,B or NAM for EVF which have ZEBRA. This is converted to analog signal at IC204 and supplied to Encoder P.C.Board.

DSP BLOCK DIAGRAM

Encoder P.C.Board

Encoder converts inputs from DSP to composite and component signals.

IC4 is an encoder. D Y(Y for composite) is input to 8th pin, R-Y to 24th pin, and B-Y to 1st pin.

VR106 adjusts the level of D Y. Sync. ASYNC N is added to D Y. D Y goes to IC4. VR105 adjusts the level of sync.

R-Y is adjusted in level with VR201 and supplied to IC4. On the other hand it is output as Pr signal PR V, PR 26P. PR V is to be recorded in AJ-D700. PR 26P is to be output via 26 pins connector(Option).

SW201 selects M2 level or β cam level for 26 pins connector.

B-Y is adjusted in level with VR202 and supplied to IC4. On the other hand it is output as Pb signal PB V, PB 26P. PB V is to be recorded in AJ-D700. PB 26P is to be output via 26 pins connector(Option). SW202 selects M2 level or β cam level for 26 pins connector.

Sub-carriers are supplied to IC4 as PR SC and PB SC. ABF is Burst signal and is adjusted in level with VR6.

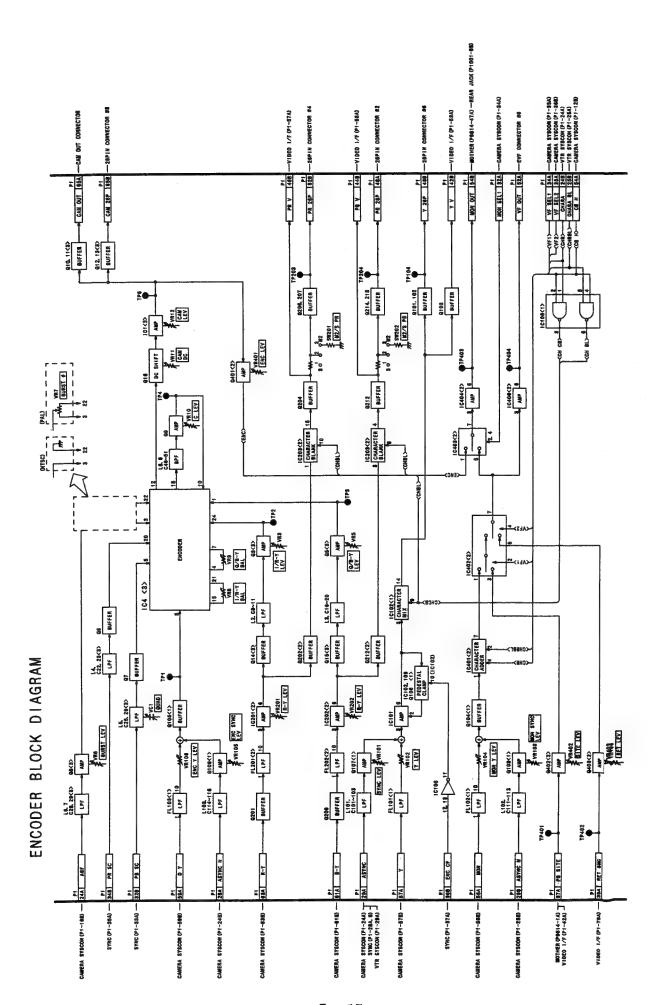
R-Y and B-Y are modulated to C signal at IC4. VR10 adjusts the C level. C signal returns to IC4 and encoded with Y. Mixed signal is output from 12th pin. After DC(VR11) and level(VR12) are adjusted, composite signal has three ways; CAM OUT, CAM 26P for 26 pins connector, MON OUT for VIDEO OUT connector. VR401 adjusts the level of MON OUT.

VR102 adjusts the level of ordinary Y. Then sync., ASYNC, is added to Y. VR101 adjusts the level of sync. After pedestal is added at IC101, Y is output as Y V and Y 26P. Y V is to be recorded in AJ-D700. Y 26P is to be output via 26 pins connector(Option).

MON is Y,R,G,B or NAM for EVF and is adjusted in level with VR104. Sync.,ASYNC M, is added to that signal. Sync level is adjusted with VR103. IC401 adds superimpose. IC402 selects PB SITE for playback or RET BNC for Return. After that the signal is supplied to EVF as VF OUT. On the other hand IC403 selects VF signal or composite signal for VIDEO OUT connector at IC403. The selected signal is supplied to Rear Jack P.C.Board as MON OUT.

VR402 adjusts the level of PB signal.

VR403 adjusts the level of RETURN input.



Sync. P.C.Board

This circuit is composed of IC27 and IC11.

GL IN is input from GEN LOCK IN connector. Composite sync. separated at IC34 is supplied to 98th pin of IC27 and 85th pin of IC11. Burst signal is separated at IC2 and IC3 and supplied to 69th pin of IC27. H SYNC. is separated from the sync. input from 98th pin of IC27. Then H SYNC is output from 101st pin. This is adjusted in phase at IC22 and input again from 43th pin.

X4 located at left side of diagram generates reference 4FSC. H sync. is generated based on that 4FSC. This H sync. or HR, external input sync. input from 45th pin is selected at IC27. Selected signal is output from 46th pin as HO. X1 located at top of diagram generates 2FCK locked to HO and then supplied to IC11.

IC11 generates clocks which is used in camera unit and locked to that 2FCK.

PLL located at top left of diagram which is composed of IC9 of phase comparator and X2 of 13.5MHz oscillator drives IC27.

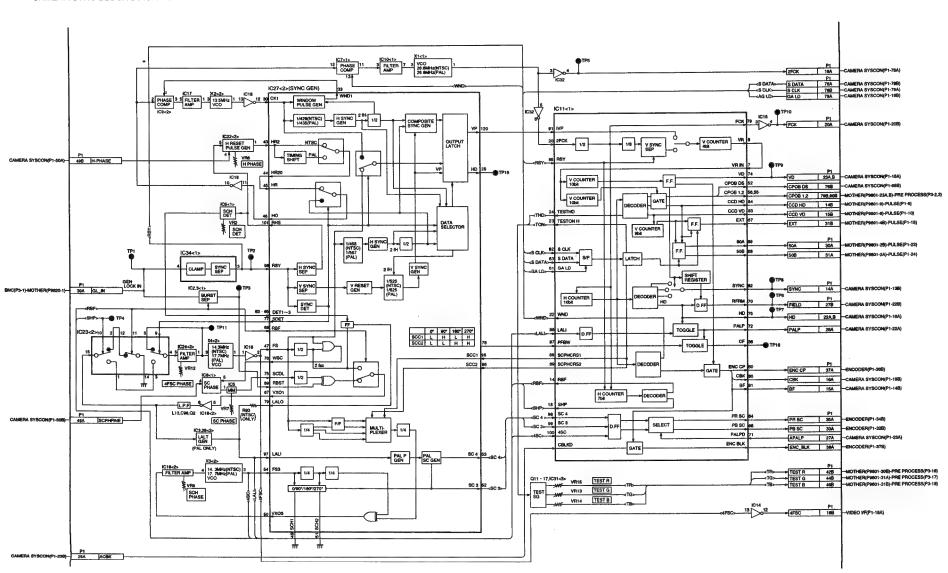
PLL located at bottom left of diagram which is composed of IC19 of phase comparator and X3 of oscillator adjusts SCH.

The signals at 95th and 96th pins of IC27 are used for sub-carrier adjustment.

Q11~Q17 and IC31 generate Ramp signal for testing which is adjusted in level with VR13~VR15.

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Video I/F P.C.Board

VIDEO I/F is the interface between camera unit and VTR unit.

Y V is input from Encoder. IC101 selects Y V or special signal for factory. IC101 is switched by SG L which is always high. After VR104 adjusts the level, Y is converted to digital signal at IC208. DC level of clamp depends on VR203.

Sync. is separated from Y at IC201. PLL is composed of IC205 of phase comparator, X201 of 13.5MHz oscillator and IC301. This PLL generates the reference clock locked to input signal.

PB V is input from Encoder. IC102 selects PB V or special signal for factory. After VR107 adjusts the timing and VR108 adjusts the level, Pb is converted to digital signal at IC207. DC level of clamp depends on VR204.

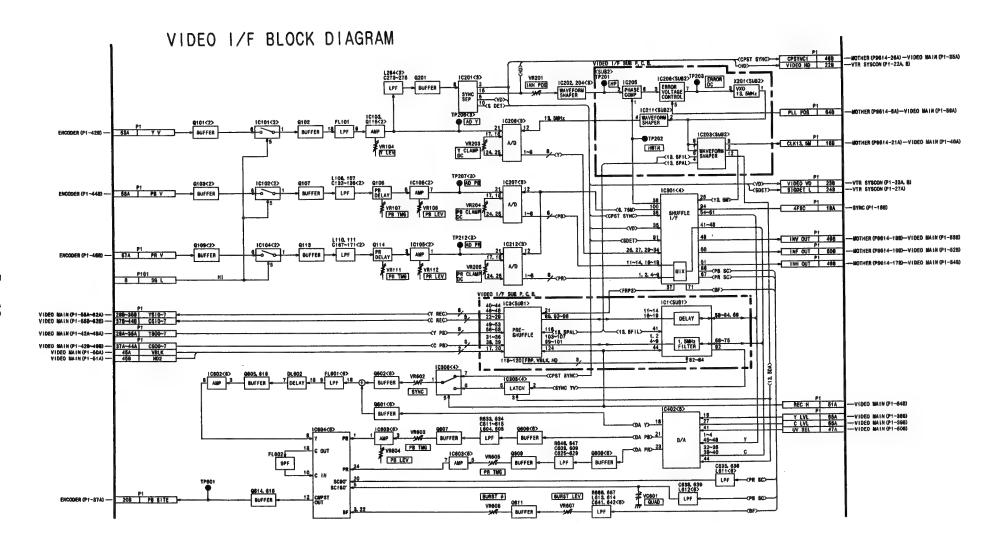
PR V is input from Encoder. IC104 selects PR V or special signal for factory. After VR111 adjusts the timing and VR112 adjusts the level, Pr is converted to digital signal at IC212. DC level of clamp depends on VR205.

Y, Pb and Pr converted to 8bits of digital signal are supplied to IC301. Pb and Pr are mixed and supplied to IC1 which is a filter on Video I/F sub P.C.Board as YSI and CSI. Each of those is 8bits of digital signal. IC3, Pre-shuffle on Video I/F sub P.C.Board, assigns data allocation because chroma data is thinned in Shuffle IC of Video Main circuit.

IC402 is a D/A converter where playback signal is mainly processed. Pb level is adjusted with VR604. Y level and C level are adjusted with EVR in the D/A converter. IC604 is an encoder. Pb timing are adjusted with VR603 and Pr timing are adjusted with VR605.

INH OUT is the pulse locked to input signal, which has the frequency of H. **INV OUT** is the pulse locked to input signal, which has the frequency of V. **INF OUT** is the pulse locked to input signal, which has the frequency of frame.

S DET output from IC201 detection signal which is LOW when sync. is detected in external input.



VTR Syscon P.C.Board

This circuit is composed of CPU, Parallel I/O, Time Code and Character Generator.

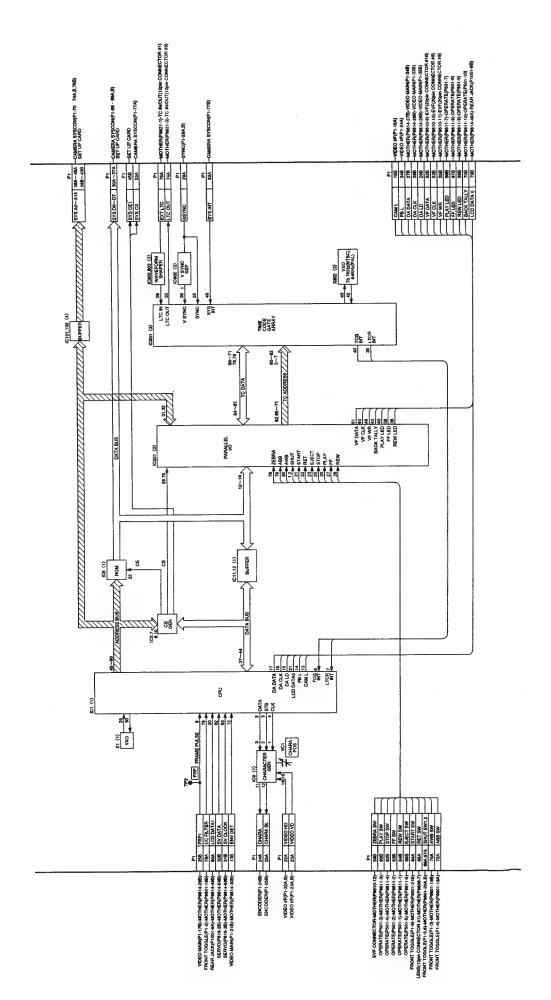
Inputs from the operation panel are ZEBRA, PLAY, STOP, FF, REW, EJECT, START, RET, SHUT, AWB and ABB SWs. Those signals are supplied to IC1 of CPU, via IC201 of Parallel I/O.

VTR Syscon and Camera Syscon communicate by SYS A0~A15 and SYS D0~D7. SYS A0~A15 are address lines. SYS D0~D7 are data lines.

IC9 generates character. The character is supplied to Encoder P.C.Board.

IC801 is time code gate array which includes time code reader and generator. 29th pin and 30th pin are IN/OUT for external TC, which are supplied to 12 pins Multi Connector.

IC6 is Syscon ROM.



Servo P.C.Board

This circuit has two CPUs. CPU1 controls cylinder and capstan. CPU2 controls reel and mechanism.

CAP AFG1 and CAP AFG2 are capstan FGs. Those are supplied to IC100 of CPU1. CAP M1~M3 drive the capstan. CAP VH1~VH3 are fed back to CPU1.

CYL FG+ is cylinder FG. CYL PG+ is cylinder PG. Those are supplied to IC100 of CPU1. CYL M1~M3 drive the cylinder. CYL VH1~VH3 are fed back to CPU1.

HID R is R/P HSW. HID P is PB HSW. Played back CTL is input as CTL HEAD P. Recording CTL is also output as CTL HEAD P. VR101 adjusts PG shifter which shifts HSW timing.

SRL FG1 and SRL FG2 are S-reel FGs. Those are supplied to IC501 of CPU2. SRL M1~M3 drive the S-reel. SRL H1~H3 are fed back to CPU2.

TRL FG1 and TRL FG2 are T-reel FGs. Those are supplied to IC501 of CPU2. TRL M1~M3 drive the T-reel, TRL H1~H3 are fed back to CPU2.

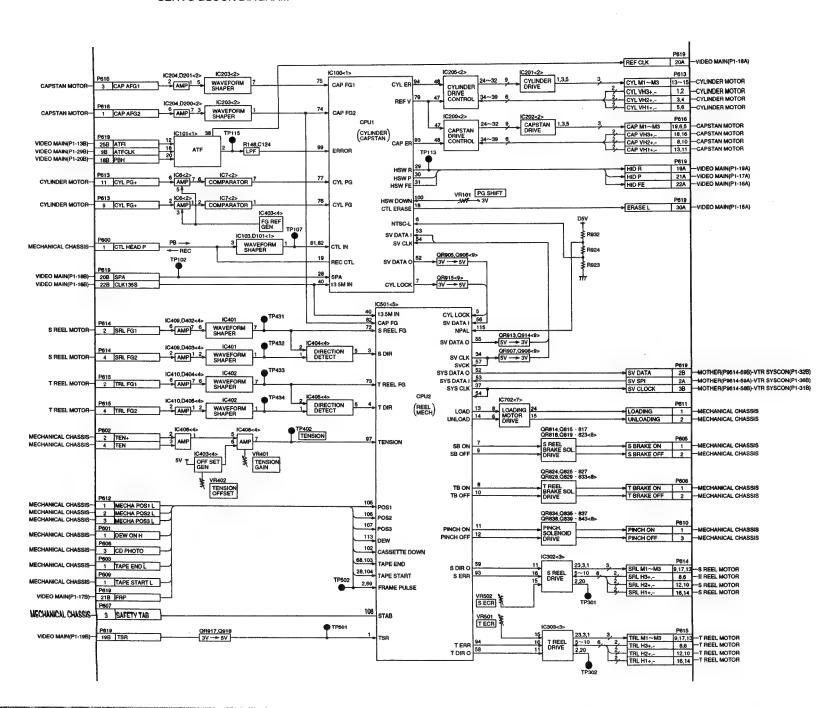
IC504 generates reference voltages which are comparated with error voltages, S ERR and T ERR. Reference voltages depend on VR501 and VR502.

TEN+ and TEN- are input from tension sensor. VR401 adjusts tension gain. VR402 adjusts tension offset.

Abbreviations

ER, ERR	ERROR
DIR	DIRECTION
SV	SERVO
SB	S-REEL BRAKE
TB	T-REEL BRAKE
POS	POSITION

SERVO BLOCK DIAGRAM



RF P.C.Board

(For recording) Input is HSE.(Top left) EXT CW is CW which is input from connector P2 when measuring C/N ratio. IC8 selects HSE or EXT CW. VR200 adjusts the duty of REC data at IC208. Q208 and Q209 are recording amplifiers for L ch. REC CUR L adjusts recording current(L ch). REC FRE L adjusts frequency characteristics(L ch). Q202~Q205 switch mode REC or PB in L ch. RP HEAD L P and N are output to drum.

Q221 and Q222 are recording amplifiers for R ch. REC CUR R adjusts recording current(R ch). REC FRE R adjusts frequency characteristics(R ch). Q216~Q219 switch mode REC or PB in R ch. RP HEAD R P and N are output to drum.

(For playback) RP HEAD L P and N are input from drum for L ch and supplied to IC300 of R/P Head Amp via Q202~Q205. RP HEAD R P and N are input from drum for R ch and supplied to IC300 of R/P Head Amp via Q226~Q219. L ch and R ch are multiplexed at IC300 by HID R which is R/P HSW. Both channels data are supplied to IC501 and equalized by EVR data which are EQ DL, PLL POS, PLL SL, AUTO EQ, EQ α R, EQ α L, EQ β R and EQ β L. Outputs from IC501 are PB DATA and PB CLK. PB HEAD R P and N and PB HEAD L P and N are supplied to IC400 which multiplexes R ch and L ch by HID P of PB HSW. Monitoring those signals detects head clogging. Information of head clogging is supplied to VIDEO MAIN P.C.Board as ENV DET. VR400 and VR401 adjusts detection levels. TRAP traps the frequency of the current of Flying Erase Head.

RP ENV. PB ENV and EYE PAT are available at BNCs of B.E.R.Counter.

Video Main P.C.Board

This circuit processes shuffling, compression, ECC and 24-25 conversion for recording. In addition to this it makes a reverse process for playback.

(For recording) The Y to be recorded is input to IC1, SHUFFLE, as YSI0~7. The C to be recorded is also input to IC1, SHUFFLE, as CSI0~7. IC2 is a shuffling memory. IC24 supplies the clocks for IC1. Both signals of VIDEO are shuffled and supplied to IC3 to be compressed.

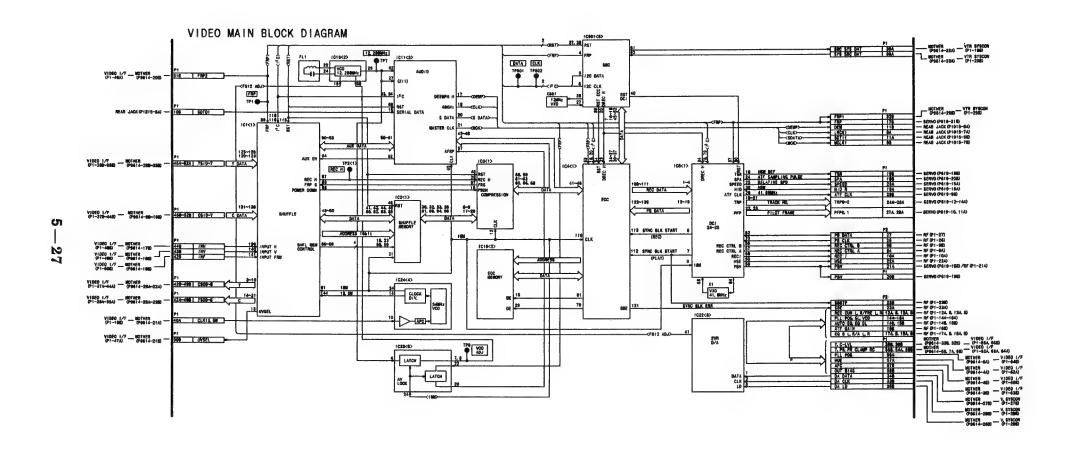
Audio serial data, SDTO1, is supplied from AUDIO LCD P.C.Board to IC11 via Rear Jack P.C.Board. IC13, VCO, generates master clock for audio. IC33 compensates the timing between video and audio. Audio signal is shuffled at IC3. Video data is compressed at IC3. Both are multiplexed and supplied to ECC of IC4. Video data is deshuffled at IC4. ECC codes are added to video and audio data, which are supplied to IC5. When playback, audio signal is separated IC11 and output as S DATA.

IC5 is DCI which means the IC for digital signal processing. DCI makes two kinds of pilot signal for ATF by 24-25 conversion. One has the frequency of 465kHz, the other has the frequency of 697.5kHz.

HSE is the data to be recorded. REC CTRL A and B switch recording currents ON/OFF in RF circuit.

(For Playback) During playback the same circuit works the opposite process to recording. Input signal from RF Board is PB DATA which is supplied to DCI.

(Others) IC22 is D/A converter for EVR data. IC501 is SBC which receives sub code data from VTR Syscon P.C.Board and adds it to video data.



Audio LCD P.C.Board

This circuit has three kinds of audio inputs.

CH1 IN H and CH1 IN C are supplied to RY101 where attenuater ON/OFF is switched. CH2 IN H and CH2 IN C are supplied to RY201 where attenuater ON/OFF is switched. F MIC IN H and F MIC IN C are inputs from front microphone. When phantom microphone is used, 48V is supplied based on SW 12V. All of those are supplied to IC1 of MIC AMP where gains are controlled by IC603, Audio CPU.

CH1 is output from the 24th pin of IC1. SW701 switches balance or unbalance output for 26pin connector. IC15 of HPF cuts the wind noise. IC4 switches the HPF ON/OFF. VR101 coarsely adjusts the level. FRONT VR which comes from the VR in front of camera recorder also adjusts CH1 recording level. IC105 switches the mode. VR102 adjusts recording level. IC6 and Q4 of TEST SG generate 1kHz of tone signal. The level of test tone is adjusted with VR2. IC105 switches test tone or input audio. The signal to be recorded is A/D converted at IC8 and supplied to Video Main P.C.Board via Rear Jack P.C.Board as SDT01.

CH2 is output from the 13th pin of IC1. IC15 of HPF cuts the wind noise. IC4 switches the HPF ON/OFF. VR201 coarsely adjusts the level. IC205 switches the mode. VR202 adjusts recording level. IC205 switches test tone or input audio.

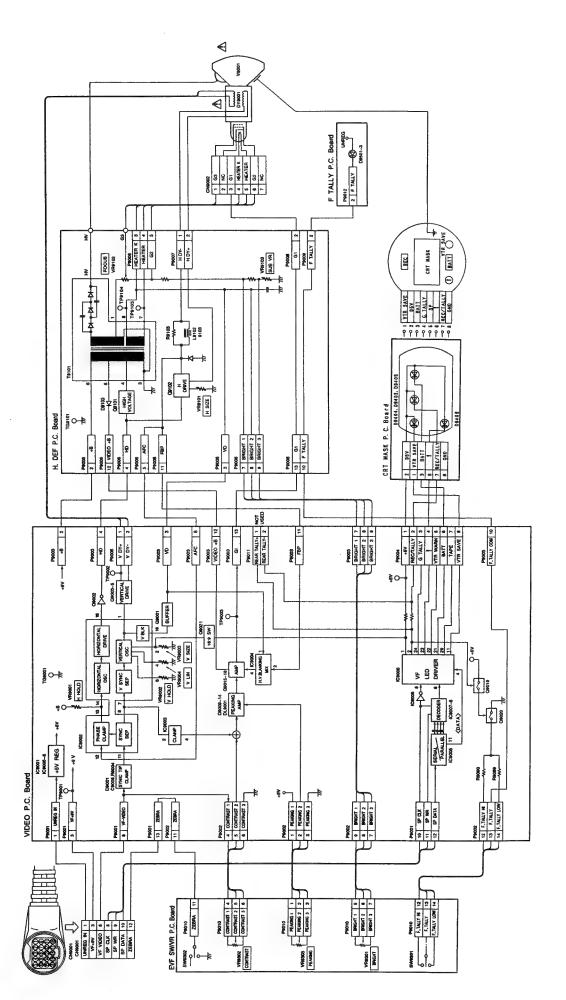
The audio signal for output is input as SDTI1 from Video Main P.C.Board via Rear Jack P.C.Board. It is D/A converted at IC8 and supplied to MIX AMP and MONITOR SELECT. IC6 and IC10 of MIX AMP mixes CH1 and CH2. IC11 selects CH1, CH2 or MIX as monitor outputs L ch and R ch. Selected signal or cue audio is selected at IC12. Monitor outputs are supplied as MON VR IN L and R to ALARM/MONITOR P.C.Board. They return as MON VR OUT L and R with alarm, ALARM VR OUT. HP OUT L and R are for headphone. SP OUT is for speaker.

IC17 adjusts CH1 OUT level and CH2 OUT level with VR301 and VR401. Those outputs, CH1 OUT H and CH2 OUT H, are supplied to 12pin multi connector.

IC501 selects recording signal for CUE audio. VR501 adjusts recording level in CUE audio. VR503 adjusts playback level in CUE audio.

A OUT H and C are supplied to Rear Jack P.C.Board for AUDIO OUT. VR701 adjusts the level. IC501 drives LCD.

AUDIO LCD BLOCK DIAGRAM



SECTION 6

EXPLODED VIEWS PARTS LIST

Note

- 1. *Be sure to make your orders of replacement parts according to this list.
- 2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P= $\mu \mu F$.
- 3. The P.C. Board units marked with "\|" shown below the main assembled parts.
- 4. The parts marked with © on the exploded view show the electric parts.
- 5. IMPORTANT SAFETY NOTICE
 Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components, use only the same type.
- 6. The marking (RTL) indicates the retention time is limited for this item.

 After the discontinuation of this assembly in production, it will no longer be available.

<<Abbreviations for part>>

<NAME>

<DESCRIPTIONS>

C. CAPACITOR	:	CERAMIC CAPACITOR
C. CAPACITOR	CH:	CERAMIC CHIP CAPACITOR
E. CAPACITOR	:	ELECTROLYTIC CAPACITOR
G. CAPACITOR	:	GLASS CAPACITOR
M. CAPACITOR	:	MICA CAPACITOR
P. CAPACITOR	:	PLASTIC FILM CAPACITOR
S. CAPACITOR	:	SEMI-CONDUCTOR CAPACITOR
T. CAPACITOR	:	TANTALUM CAPACITOR
TRIMMER	:	TRIMMER

C. RESISTOR	:	CARBON RESISTOR
F. RESISTOR	:	FUSE RESISTOR
M. RESISTOR	:	METAL OXSIDE RESISTOR
M. RESISTOR	CH:	METAL OXSIDE CHIP RESISTOR
S. RESISTOR	:	SOLID RESISTOR
V. RESISTOR	:	VARIABLE RESISTOR
W. RESISTOR	:	WIRE WOUND RESISTOR

COMBI. TR-R	: TRANSISTOR-RESISTOR COMBINATION PARTS
COMBI. R-R	: RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R	: CAPACITOR-RESISTOR COMBINATION PARTS
COMBI. C-R-R	: CAPACITOR-RESISTOR-COIL COMBINATION PARTS

P.C. BOARD : PRINTED CIRCUIT BOARD W/COMPONENT : WITH COMPONENT

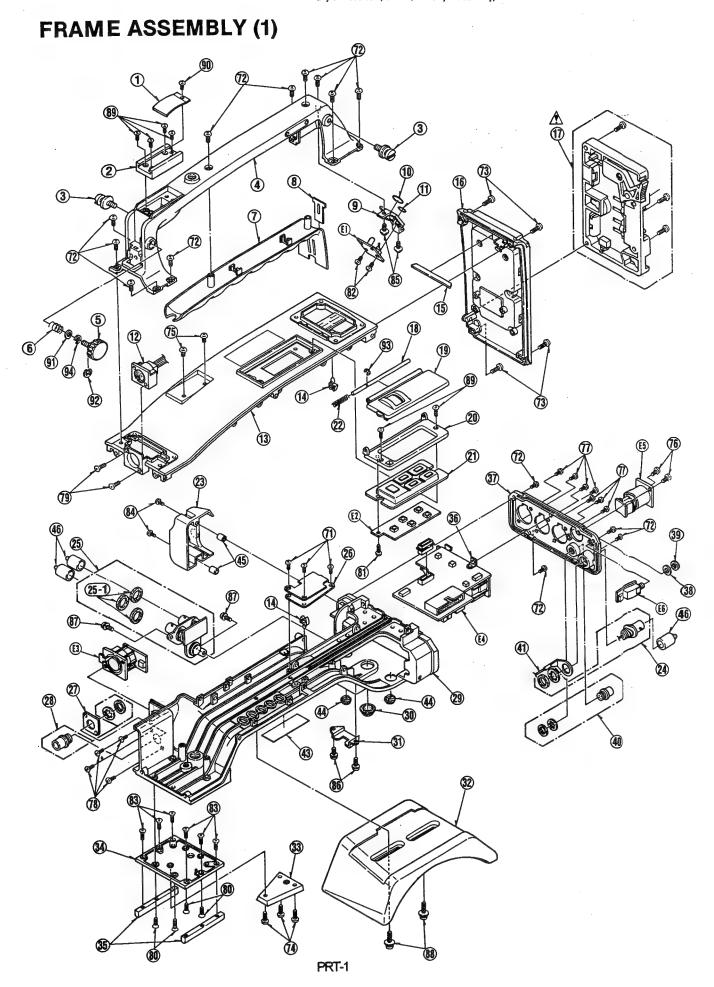
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	5 . 11	Don't Name & Description	,,,	Remarks	Ref. No.	Part No.	Part Name & Description	Pos	Remarks
ef. No.	Part No.	Part Name & Description	CS.	Remarks	Relitio.	TOT C MO	1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-	
	VFK1145	BACK TENSION METER (T2-M30	1					_	
		POST DRIVER	+						
!	VFK1149	DIAL TORQUE GAUGE (150G)	十						
3	VFK71	DIAL TORQUE GAUGE (45G)	計						
4	VFK1191	DIAL TORQUE GAUGE ADAPTOR	+						
5	VFK1152	ECCENTRIC SCREWDRIVER (1.5	+					Н	
8	VFK0357	POST HEIGHT FIXTURE	+					\vdash	
7	VFK1154	MECH. NEUTRAL PLATE (POST)	1					 	
8	VFK1153		-; -					\vdash	
9	VFK1157	MECH. NEUTRAL PLATE (CASSE	+						
10	VFK1155	NEUTRAL POSITION TOOL (GOL			 			\vdash	
11	VFK1156	NEUTRAL POSITION TOOL (BLA	1		<u> </u>			\vdash	
12	VFK1208	NEUTRAL POSITION TOOL	1			-		\vdash	
13	VFK1150	NUT DRIVER (5. 5MM)						⊢	
14	VFK1151	NUT DRIVER (2. 5MM)	1		<u> </u>	<u> </u>		\vdash	
15	VFK1188	DIAL TENSION GAUGE (30G)	1			 		\vdash	
16	VFK0948	CHECK LIGHT	1					┢┈	
17	VFK0749	FROIRAL GREASE	-11					⊢	
18	MOR265	MORLYTONE GREASE (FOR META	1			<u> </u>		-	
19	VFK1146	PHILIPS DRIVER (FINE) (00-7	1					-	
20	VFK1147	PHILIPS DRIVER (FINE) (0-10	1					-	
21	VFK1148	HEX. DRIVER (1.5)	1					-	
22	VFK1178	HEX. DRIVER (1.89)	_1					H	
23	VFK1179	HEX. DRIVER (0. 71)	-1					-	
24	VFK1190	HEX. WRENCH	-1					-	
25	VFK1209	TORQUE DRIVER (O. 4-3KG)	1						
26	VFK0912	POST AXIS DRIVER (1.5MM)	1					\vdash	
27	VFK1300	A/D BOARD (DAQ-12 QUATECH	1					_	
32	VFK1159	LISTA SOFTWARE	1						
33	VFK1186	LISTA CABLE	1					_	
34	VFK1194	EXTENSION BOARD	1		ļ	ļ			
37	VFK1162A	EVR TOOL SOFTWARE	1					_	
38	VFK1158A	B. E. R. COUNTER TOOL	1		L				
39	VFK1185	B. E. R. COUNTER CABLE	1					_	
40	VFKW1000AA	EVR I/F BOX UNIT	1						
41	VFKW1000C	EVR RS232C CABLE	1						
42	VFK1 180	EVR SUB 1/F UNIT	1					L	
43	VFK1187	EVR CABLE	1					L	
44	VFK1210	MULTI-CANON CABLE	1					Щ	
45	VFK0369	TWEEZERS	1					Ш	
46	VFK0371	RADIO PRIER	1					Ш	
47	VFK0372	CUTTER PRIER	1						
48	VFK0338	TRIMMER ADJUSTMENT DRIVER	1					Ш	
49	VFK0337	PHILIPS DRIVER	1			L			
			Т						
52	VFM36BOKM	ALIGNMENT TAPE (NO. 1)	1						
53	VFN3681KM	ALIGNMENT TAPE (NO. 2)	1						
54	VFM3682KM	ALIGNMENT TAPE (NO. 3)	1						
	71 110 00 00 110		\neg						
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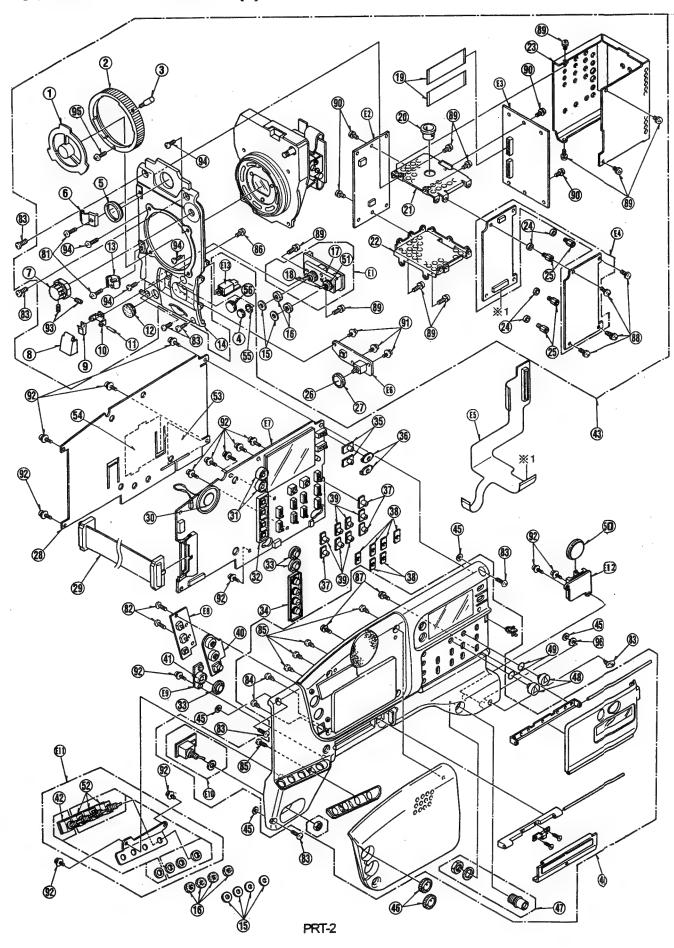
FRAME ASSEMBLY (1)

Ref. No.	Part No.	Part Name & Description	Pcs Remarks	Ref. No.	Part No.	Part Name & Description	Pc	Remarks
			1				1	
1	4G28145	LEAF SPRING	1	E1	VEP80858A	P. C. BOARD W/COMPONENT	1	
	V5MA0046A4	CAMERA SHOE		<u> </u>			1	
3	VMS4284	BELT HOOK PIN	2	E2	VEP86149A	VTR OPERATION P. C. BOARD	+ :	
4	VKH0366	HANDLE	1	E3	VEP80A14A	FRONT MIC G. B. A.	1	
5	VGU7080	SIDE U LOCK KNOB	1	E4	VEP01786A	REAR JACK C. B. A.	1	
6	VMB1615	SPRING	1	E5	VEPOOX87A	DC INPUT P. C. BOARD .	1	
7	VKF2481	HANDLE COVER	1	E6	VEPOOW08B	HEADPHONE C. B. A.	1	
8	VKF2516	CARD COVER	1				L	
9	VGL0720	TALLY COVER	1				Г	
10	VMG0950	P8 O_RING	1				Г	
11	VMG0955	P4 O_RING	1					
12	VEE9426	EVF CONNECTOR	1				Т	
13	VGM1257	UPPER CASE	1				T	
14	VJF0909	CABLE CLAMPER	2	-			T	
		BATTERY CABLE HOLDER	1				\vdash	
15	VGF0515		i	l			╁╌	
16	VYK7453	BACK CASE U		l		 	╁╌	
<u> 17</u>	VJF1125	BATTERY HOLDER	1				⊢	
18	VMS5860	DOOR SHAFT	1				╀	
19	VKF2486	VTR OPERATION DOOR	1	l 	 		\vdash	
20	VGK2214	VTR OPERATION BASE	1	l			1	
21	VGU7082	VTR OPERATION BUTTON	1	l			-	
22	VMB2917	DOOR SPRING	1	L			1	
23	VKF2515	CONNECTOR COVER	1				L	
24	VJS1440	CONNECTOR (FEMALE)	1				L	
25	VEK8021	SIDE L CONNECTOR U	1				П	
25-1	VMG0943	CONNECTOR INSULATION CUSHIC	3		[Г	
26	VSC4400	SHIELD CASE	1					
27	VMP4853	LENS CONNECTOR PLATE	1				Т	
		LENS CONNECTOR	1		<u> </u>		✝	
28	VEE9429 VGM1259	BOTTON CASE	1		 		t	
29			1				╆	· · · · · · · · · · · · · · · · · · ·
30	VMG0643	BRAKER CAP		·			⊢	-
31	VMP4896	BACK LOCK ANGLE					╁	
32	VMT0768	SHOLDER PAD	1		ļ		-	
33	VGM1278	FRONT V EDGE	T .			ļ	-	
34	VGM1277	FRONT FOOT BASE	1				-	
35	VKA0299	FRONT FOOK	2				┡	
36	VMP4846	JACK P. C. B. ANGLE	1	 			_	
37	VG#1263	JACK PANEL	1					
38	VMX0531	CLATCH SPACER	1				L	
39	VHN0194	SPACER	1			_	Γ	
40	VEE9413	CONNECTOR	1				Г	
41	VMP5193	BNC JACK	1				Г	
43	VGQ4060	NET	1					
44	VMG0954	REAR FOOT	2				Н	
		SPACER	2		 		\vdash	
45	VMX2606		3				\vdash	
46	VGF0362	BNC CAP	3	l -	-		\vdash	
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71	XSB26+6	SCREW	3	ļ	_		-	
72	XSB3+8FZ	SCREW	14			<u> </u>	<u> </u>	
73	XSB3+10FZ	SCREW	4	ļ			L_	
74	XSB4+6FC	SCREW	3				L	
75	XSB4+6FZ	SCREW	2				L	
76	XSN26+6FC	SCREW	2				L	
77	XSN26+6FZ	SCREW	7				\Box	
78	XSN26+6FZ	SCREW	4		1		П	
79	XSS2+4FZ	SCREW	2			I	Γ	
80	XSS3+8FZS	SCREW	4				Г	
81	XTN2+46	SCREW	1					
		SCREW	2					
82	XTN2+6G		6					
83	XTS26+6J	SCREW		 			\vdash	*
84	XSN3+8FZ	SCREW	2	 	 		\vdash	
85	XYN2+F6	SCREW	2	l			H	
86	XYN26+C8FZ	SCREW	2		<u> </u>		$\vdash \vdash$	
87	XYN3+06	SCREW	2				Щ	
88	XYN3+F8	SCREW	2	I			Ш	
89	XSN2+6FZ	SCREW	6					
90	XSN26+4FC	SCREW	1					
91	XWE4FZ	WASHER	1					
92	XUC3FP	WASHER	1					
93	XUC12VM	E-RING	1				П	
		WASHER	1				Н	
94	XWA4BFZ	WASHER	1	 			\vdash	
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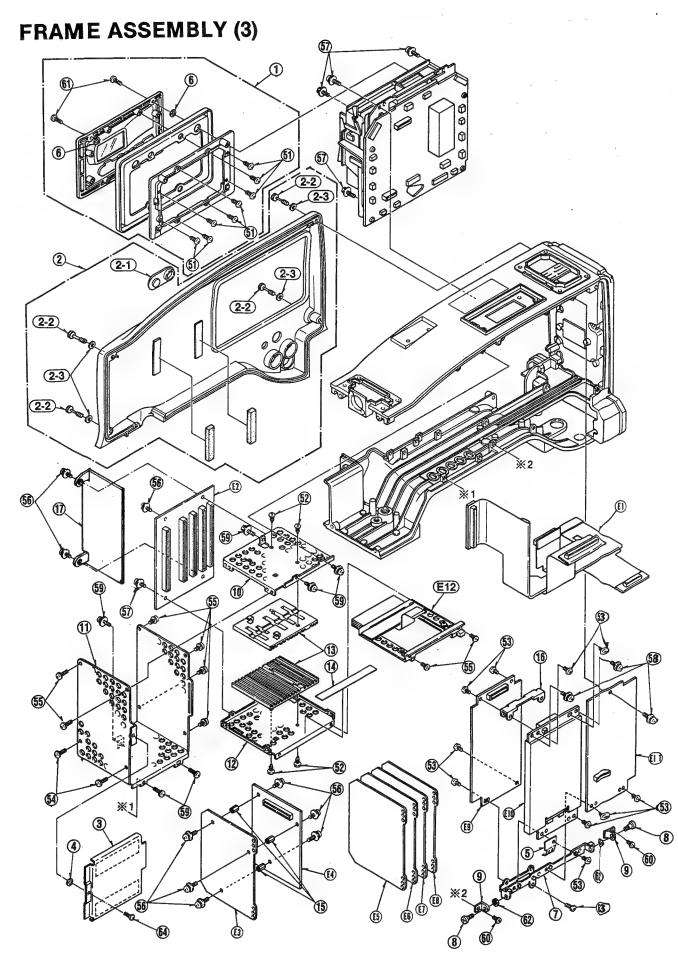


Ref. No.	Part No.	Part Name & Description	Pes	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	Remarks
					93	XXEV26W3FP	HEX SCREW	2	
	/KF2125	MOUNT CAP	1		94	XSB3+6FZS	SCREW	4	
		LENS MOUNT RING	1		95	XQN2+A4FZ	SCREW		
	MD0809	LENS MOUNT RING KNOB	1		96	XWG4	WASHER	1	
		NUT NUT	H;	AJ-D800EN ONLY		7.11.0.1		H	
			١.	NO DOCCEN CHE!	l 		 	-	
	VMG0948	EVF RUBBER SHIELD	<u> </u>		l 		~	-	
8 V	VJF0804	CABLE CLAMPER	1		ll	 		Η.	ļ
7 \	VGU7693	FILTER KNOB	1		E1	VEP20537A	P. C. BOARD W/COMPONENT	1	
3 V	VKF2485	FRONT DOOR	1		E2	VEP250160	CDS P. G. BOARD	1	
1	VMC1210	FRONT DOOR SPRING	1		E3	VEP20736A	PULSE P. C. BOARD	1	
10	VMP4850	FRONT DOOR ANGLE	1		E4	VEP23278B	PRE PROCESS 1 P. C. BOARD	1	
	VMS4088	FRONT DOOR ANGLE PIN	1		E5	VEPOOW29A	CAMERA FLEX P. C. BOARD	1	
	VGU6714	RUBBER BUSH KNOB	1		E6	VEP20538A	P. C. BOARD W/COMPONENT	1	
	VJF1256	CABLE CLAMPER	1		E7	VEP045228	AUDIO LCD C. B. A.	1	
			H	AJ-D800EN ONLY	E8	VEPOOWO7A	ALAM/MONITOR P. C. BOARD		
	VGM1256	FRONT CASE			E9	VEPO0W05A	MODE CHECK P. C. BOARD	۱,	<u> </u>
	VGM1453	FRONT CASE		AJ-D800E ONLY				Η.	
	VMG0646	WATERPROOF SW INSULATION SH	_		E10	VEPO0W03A	POWER SW P. C. BOARD	1	·
6	VMT0738	SW INSULATION CUSHION	0		E11	VEPO0W04A	TOGGLE P. C. BOARD		
7	VMP4839	SW HOLDER ANGLE	1		E12	VEP809618	BACKUP BATT C. B. A.	1	
8	VST0195	SWITCH	2						l
	VWJ18XW065T1		2					Γ	
	VJF1091	ONE TUCH BUSHING	1		1				
	VMP5415	OP LENS UPPER BRACKET	1		11	1			
		OP LENS LOWER BRACKET	1		1	+		\vdash	
	VMP5416		 '		11	 	 	+	
	VSC4656	SHIELD CASE	\vdash		11	 	1	-	·
	VMX2527	P. C. B SPACER	14			+	<u> </u>	+	
.5	VMX2534	P. C. B. SPACER PIN	14		l ———		ļ	1	
	VGH3360	VR KNOB CAP A	Li			1		L	
	VGU5694	VR KNOB	1					L^{-}	
	VMZ2498	LCD BARRIER	1						
	VEE9427	FLAT CABLE	1			1		Г	
	EAS2P104N	SPEAKER	H				<u> </u>		
			2		l 	·		1	
	VGQ3417	PUSH BUTTON HOLDER A	-		l⊢——			⊢	
12	VGQ3415	OPERATION BUTTON HOLDER	1		I			⊢	
3	VGU7081	OPERATION BUTTON	3					┡	
4	VGU7153	OPERATION BUTTON B	_1		<u> </u>			L	
15	VGU7152	SLIDE SW COVER B	2		l L				
16	VMG0947	SLIDE KNOB RUBBER	2					Г	
	VGU7262	SLIDE SW COVER C	3						
	VGH3746	SLIDE SW SHEET	6	-				1	
		SLIDE SW COVER A	6			1	1	Н	
	VGU7151		1		l 	 		\vdash	
	VMG0945	VR SHIELD RUBBER	┞:					\vdash	
	VGQ3417	PUSH BUTTON HOLDER A	1				 	-	
12	VST0299	SWITCH	1			ļ		┡	
13	VEQ1990	HEAD OPTICAL ASS'Y	1	AJ-D800EN ONLY				_	
13	VEQ2032	HEAD OPTICAL ASS'Y	1	AJ-D800E ONLY					
4	VYP6632	SIDE CASE R1 U.	1	AJ-D800EN ONLY					
	VYP6666	SIDE CASE R1 U	1	AJ-D800E ONLY					
15	VMX1558	NYLON WASHER	4					Г	
		VR KONB A	2		1	†		Г	
16	VGU7077	ECU CONNECTOR	1		11	† 	<u> </u>	\vdash	
	VEE9439				11	 		-	
18	VGU7078	VR KNOB 8	2		l 			\vdash	
19	VMG0962	O_RING	2			 		-	
50	CR2032	BATTERY	1				ļ	-	
51	VST0194	SWITCH	1		l 			L	
52	VST0300	SWITCH	3					L	
	VSC4478	50P CABLE SHIELD PLATE	1					Ĺ	l
54	VMZ2599	RF INSULATION BARRIER	1						
35	VMX0531	WASHER	1	AJ-D800EN ONLY				Γ	
i6	VIII.0031	SHI ELD SHEET	-	AJ-D800E ONLY		1			
	VOPUODI	OHIELD SHELL	⊢'	TOOL OIL		 		\vdash	
			-	<u> </u>	11	+	 	\vdash	
					I 	 	 	-	
			_			 		<u> </u>	
11	XSB2+4FZ	SCREW	2			ļ		<u> </u>	
	XSB3+6FR	SCREW	2					L	
	XSB3+10VZ	SCREW	4						
2		SCREW	2		1	1			
3	VTV28+60		5			T		Г	
3 4	XTV26+6G	CODEW			l 		1	-	
2 3 4 5	XTV3+8G	SCREW	-						
2 3 4 5	XTV3+8G XYN2+C4	SCREW	1			 		\vdash	
2 3 4 5	XTV3+8G		1 2						
2 3 4 5 6	XTV3+8G XYN2+C4	SCREW	1 2						
12 13 14 15 16 17	XTV3+8G XYN2+C4 XYN26+K4	SCREW SCREW	1 2						
2 3 4 5 6 7 8 9	XTV3+8G XYN2+C4 XYN2+6+K4 XYN3+C4 XYN3+C6	SCREW SCREW SCREW	1 2						
22 133 144 155 166 177 188 199	XTV3+8G XYN2+C4 XYN26+K4 XYN3+C4 XYN3+C6 XYN3+E6FR	SCREW SCREW SCREW SCREW SCREW	1 2 4 10						
2 3 4 5 6 7 8 9	XTV3+8G XYN2+C4 XYN2+6+K4 XYN3+C4 XYN3+C6	SCREW SCREW SCREW SCREW	1 2 4 10 4						

FRAME ASSEMBLY (2)

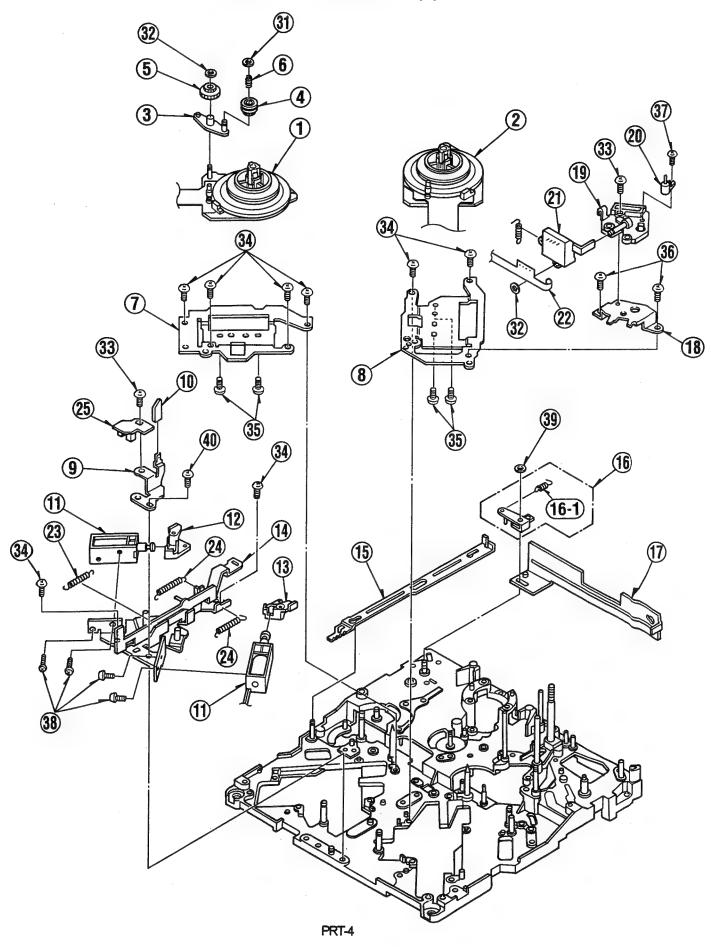


lef. No.	Part No.	Part Name & Description	Pcs Remarks	Ref. No.	Part No.	Part Name & Description	Pcs Remarks
	VYF2185	CASSETTE COVER U	1		<u> </u>		
	VYF2185 VYP6372	SIDE CASE L U	1	l t			
	VMG0953	E-E CAP	1				
-1 -2	VHD0820	SCREW	4				
2-3	VMX1090	SPACER	4				
	VXA5434	P. C. BOARD HOLDER U	1				
3	VMX1558	NYLON WASHER	1				
4	VMP5189	EARTH PLATE	1				
5		WASHER	2	l			
6	VMX2805	P. C. BOARD ANGLE	1	l			
7	VMP4845	SCREW	2	11		,	
8	VHD0325	ROTALLY ANGLE	2	l			
9	VMP4841	UPPER P. C. BOARD BOX	1				
10	VMP4843	P. C. BOARD BOX	1				
11	VMP4842 VMP4844	LOWER P. C. BOARD BOX	1		İ		
12		GUIDE RAIL	2	11			
13	VQQ3992	CAUTION LABEL	1				
14	VQL8123 VMS4913	P. C. BOARD SPACER	3	l 			
15		VIDEO P. C. BOARD ANGLE	1	l — — —			
16	VMP4858	SHIELD SHEET	1 AJ-D800EN ONLY				
17	VSC4714	O.11 CED 0.1001		1			
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E 1	XTB26+6GFZ	SCREW	8				
51	XTB26+6GFZ XTV26+6G	SCREW	4	1	1		
52		SCREW	10	il			
53	XTV3+6F	SCREW	2				
54	XSB3+4	SCREW	8	1	T		
55	XYN3+C5	SCREW	9	1			
56	XYN3+K5	SCREW	5	11			
57	XYN3+K8		3	11			
58	XYN3+K6RS	SCREW	9	11			
59	XYN3+C8	SCREW	2	1			
60	XYN3+C6	SCREW	2	11			
61	XSB26+12FZ	SCREW	2	 			<u> </u>
62	XWGV4Y9G	WASHER	1	11	 		
63	XYN3+C8FR	SCREW	1	11	t		
64	XYN3+F8FXRS	SCREW	-	11	 		
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E1	VEDA00204	P. C. BOARD W/COMPONENT	1				
E1	VEP80980A	MOTHER C. B. A.	1	1			
E2	VEPOOY28A	CAMERA SYSCON P. C. BOARD	1				
E3	VEP26074D	P. C. BOARD W/COMPONENT	1	1	· ·		
E4	VEP23275A	CAMERA ENCODER C. B. A.	1				
E5	VEP232768	CAMERA SYNC P. C. BOARD	1	1	T		
E6	VEP234468	VTR SYSCON P. C. BOARD	1		1		
E7	VEPO6A22C	VIDEO IF C. B. A.	1	11			
E8	VEPO3D53A	VIDEO MAIN C. B. A.	1	1			
E9	VEP03B96B	RF C. B. A.	1	1	 	· · · · · · · · · · · · · · · · · · ·	
E10	VEP03B95A		1	1	1		
E11	VEP01643A	P. C. BOARD W/COMPONENT P. C. BOARD W/COMPONENT	1	11	1		
E12	VEP86252A	F. J. DWING II/ COMPONENT		11	1		
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1	VEHOCOO	S REEL MOTOR U.	1					-	
		T REEL MOTOR U.	1					╀	
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	VXP1700	IDLER GEAR B U.	+					\vdash	
	VDG1189	IDLER GEAR A	+					Н	
	VMB3011	IDLER SPRING	+					╁	
	VMA9399	S SUDE N STIOOER	i		ļ			┢	
	VMA9399	T SIDE M STOPPER	H					\vdash	
	VMA9400	LOCK/RELEASE	H					╁	
	VMD2588	BRAKE RELEASE	1					┢	
	VSJ0216	BRAKE SOLENOID	2					┢	
	VXL2705	M-CASSETTE BRAKE (S) U.	1					\vdash	
	VXL2706	M-CASSETTE BRAKE (T) U.	Hi					╁	
	VXA5582	M-CASSETTE BRAKE BASE 1U.	1					\vdash	
	VML3097	CONNECTION ARM A	i					-	
	VXL2615	CONNECTION ARM B U.	i					Н	·
	VMB2973	ARM RELEASE SPRING	1					\vdash	
	VXL2653	CONNECTION ARM C U.	1					⊢	
	VMD2536	M SWITCH BASE	1					┢	
	VXA5633	M SWITCH BASE (1) U.	1					\vdash	
	V\$\$0510	INHIBIT SWITCH	1					\vdash	
	V\$\$0510 V\$\$0509	MIC COMMECTOR	H					\vdash	
	VWJ1074	MIC FPC	1					\vdash	
	VMB2779	LOCK SPRING	+					-	†
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	VEK7694	CASSETTE DOWN PHOTO U.	1	* ,				\vdash	
25	VER / 084	UNDOCTIC DURN PROTO U.	 '					\vdash	
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	XQN2+A3	SCREW	8					⊢	
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	XQN2+AG4	SCREW	4					_	
36	XQN2+CF4	SCREW	2				<u> </u>		
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37	XQN2+AG6	SCREW	1						
37 38	XQN2+A14	SCREW	4						
37 38 39	XQN2+A14 VMX0967	SCREW WASHER	1			-			
37 38 39	XQN2+A14	SCREW	4						
37 38 39	XQN2+A14 VMX0967	SCREW WASHER	1			-			
37 38 39	XQN2+A14 VMX0967	SCREW WASHER	1			-			
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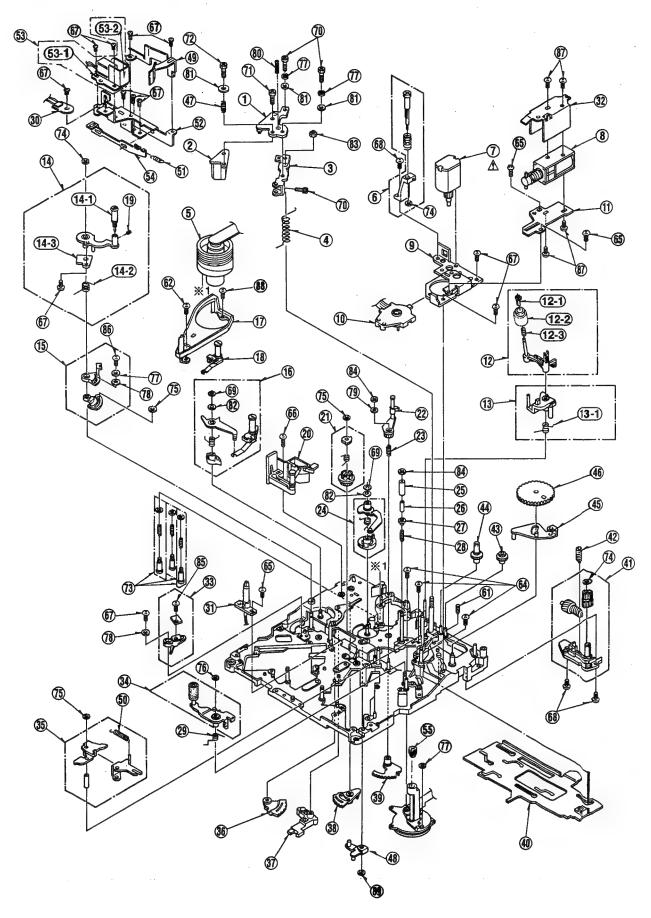
MECHANICAL CHASSIS ASSEMBLY (1)



MECHANICAL CHASSIS ASSEMBLY (2) AJ-D800E

70 XVE2B4FZ HEX SCREW 3 1 VXA5554 A/C HEAD BASE (1) U 1 71 XVE2B6FP HEX SCREW 1 2 VBR0301 A/C HEAD 1 72 XVE2B12FP HEX SCREW 1 3 VXA5555 A/C HEAD BASE (2) U 1 73 VX00439 SCREW 3 4 VMB2935 A/C HEAD HIGHT SPRING 1 74 VMX0967 CUT WASHER 3 5 VEG1337 CYLINDER UNIT 1 75 VMX1081 WASHER 3 6 VXA5715 EMARGENCY SHIFT HOLDER U 1 76 VMX1079 CUT WASHER 1	
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22 VV2.2772 T.A. ARM U. 1	
23 WRC290 14 THRUST SPRING 1	
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28 W82929 T3 SPR ING 1	
29 W82933 PINCH RELEASE SPRING 1 30 VEXT927 DEW SENSOR 1 31 VEXT9801 LE NOLDER U. 1 32 WAASH1 PINCH SULDENID MALE 1 33 VAAS20 TENSION SENSOR U. 1 34 VIL2864 PINCH SULDE ARB U 1 35 VAL2868 PINCH SULDE ARB U 1 36 VAAS570 T SECTOR GEAR U. 1 37 VAL2568 PINCH GUIDE ARB U 1 38 VAAS567 SECTOR GEAR U. 1 39 VAAS567 T SECTOR GEAR U. 1 41 VAS567 T THUST SHIFT HOLDER U. 1 41 VAS568 T THUST SHIFT HOLDER U. 1 42 VOIL288 MOTOR EMANGENY GEAR A 1 43 VOIL288 MOTOR EMANGENY GEAR A 1 44 VOIL288 MOTOR EMANGENY GEAR A 1 45 VOIL288 MOTOR EMANGENY GEAR A 1 46 VAL2569 MAIN OM MAIN U 1 47 VMERS37 A CHEAD AND SECTOR GEAR U. 1 48 VAL2869 MAIN OM MAIN U 1 49 VAL2869 MAIN OM MAIN U 1 50 VAL2869 MAIN OM MAIN U 1 50 VAL2869 MAIN OM MAIN U 1 51 VAL2869 MAIN OM MAIN U 1 52 VAL2869 MAIN OM MAIN U 1 53 VAL2869 MAIN OM MAIN U 1 54 VAL2869 MAIN OM MAIN U 1 55 VAL2869 MAIN OM MAIN U 1 56 VAL2869 MAIN OM MAIN U 1 57 VAL2869 MAIN OM MAIN U 1 58 VAL2869 MAIN OM MAIN U 1 59 VAL2869 MAIN OM MAIN U 1 50 VAL2869	
30 VEXTREST DEW SEINOR 1 31 VEXTREST LED HOLDER U. 1 32 VMAM411 PINCH SOLENDID ANGLE 1 33 VYASS20 TENSION SEISOR U. 1 34 VYL2884 PINCH ANGL U. 1 35 VYL2885 PINCH ANGLE U. 1 36 VYL2588 PINCH SUIDE ANG U. 1 37 VYL2582 TENSION SEISOR U. 1 38 VYASS70 T SECTOR GEAR U. 1 39 VYASS770 T SECTOR GEAR U. 1 39 VYASS570 S SECTOR GEAR U. 1 40 VYASS58 MIN ROD U. 1 41 VYASS58 MIN ROD U. 1 42 VOG1108 MOTOR EMARGENCY U. 1 43 VYG1288 MOTOR EMARGENCY GEAR A 1 44 VYG1288 MOTOR EMARGENCY GEAR A 1 45 VYG1289 MOTOR EMARGENCY GEAR B 1 46 VYL2591 MIN CAM ARM U 1 47 VYM2597 A/C HEAD ADJUST SPRING 1 48 VYL2592 MIN CAM ARM U 1 49 VYL2593 MIN CAM ARM U 1 40 VYL2593 MIN CAM ARM U 1 50 VWESS37 A/C HEAD ADJUST SPRING 1 47 VWESS37 A/C HEAD ADJUST SPRING 1 48 VYL2590 CELECT ARM U 1 51 VWESS37 A/C HEAD ADJUST SPRING 1 52 VYASS780 CLEANER REINER SPRING 1 53 VYASS780 CLEANER REINER SPRING 1 54 VYASS790 CLEANER REINER SPRING 1 55 VWESS31 CLEANER SOLENDID U. 1 55 VWESS31 CLEANER SOLENDID U. 1 56 VWESS31 CLEANER SOLENDID U. 1 56 VWESS31 CLEANER SOLENDID U. 1 56 VWESS31 CLEANER SOLENDID U. 1 56 VWESS31 CLEANER SOLENDID U. 1 56 VWESS31 CLEANER SOLENDID U. 1 56 VWESS31 CLEANER SOLENDID U. 1 56 VWESS31 CLEANER SOLENDID U. 1 57 VWESS31 CLEANER SOLENDID U. 1 58 VWESS31 CLEANER SOLENDID U. 1 59 VWESS31 CLEANER SOLENDID U. 1 50 CLEANER SOLENDID U. 1 51 CLEANER SOLENDID U. 1 51 CLEANER SOLENDID U.	
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32 VMA9411 PINCH SULBHOID ANGLE 1 33 VXA5820 TERSION SERSOR U. 1 34 VXL2884 PINCH ARBI U. 1 35 VXL2888 PINCH GUIDE ARBI U 1 36 VXA5570 TS SECTOR GEAR U. 1 37 VXL2588 PINCH GUIDE ARBI U 1 38 VXA5570 TS SECTOR GEAR U. 1 39 VXA5587 S SECTOR GEAR U. 1 39 VXA5584 TS SECTOR GEAR U. 1 40 VXA5583 MAIN ROD U. 1 41 VXA5584 TA SECTOR GEAR U. 1 42 VXA5584 TS SECTOR GEAR U. 1 43 VXA5584 TS SECTOR GEAR U. 1 44 VXA5682 THENST SHIFT HOLDER U. 1 45 VXA5587 MAIN ROD U. 1 46 VXA5682 MOTOR EMARGENCY GEAR B. 1 47 VXA5821 MOTOR EMARGENCY GEAR B. 1 48 VXL2591 MAIN CAM ARBI U. 1 49 VXL2591 MAIN CAM ARBI U. 1 49 VXA5570 TI GUIDE U. 1 49 VXA5770 TI GUIDE U. 1 49 VXA5770 TI GUIDE U. 1 50 VMESSAT AAC HEAD ADJUST SPRING 1 51 VMESSAT AAC HEAD ADJUST SPRING 1 52 VXA5788 CLEANER RETURN SPRING 1 53 VXA5789 CLEANER RETURN SPRING 1 53 VXA5789 CLEANER RETURN SPRING 1 53 VXA5789 CLEANER RETURN SPRING 1 54 VMISSOL CLEANER RETURN SPRING 1 55 VMISSOL CLEANER RETURN SPRING 1 56 VMISSOL CLEANER RETURN SPRING 1 57 VMISSOL CLEANER RETURN SPRING 1 58 VXA5789 CLEANER SOLENDID U. 1 59 VMISSOL CLEANER SOLENDID U. 1 50 V	
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38 VXASSTO T SECTOR GEAR U. 1 37 VXL2587 TENSION LEG. GUIDE ARMI U 1 38 VXASS67 S SECTOR GEAR U. 1 39 VXASS64 T 4 SECTOR GEAR U. 1 40 VXASS64 T 14 SECTOR GEAR U. 1 41 VXASS627 THRUST SHIT HOLDER U. 1 42 VX61166 BIOTOR TARMI GEAR 1 43 VXG1268 MAIN ROD U. 1 44 VXG1267 BIOTOR TARMI GEAR 1 45 VXL2591 BIAIN CAM ARMI U 1 46 VXL2591 BIAIN CAM ARMI U 1 47 VXB2937 A/O HEAD ADJUST SPRING 1 48 VXL200 EJECT ARM U 1 49 VXASS70 TI GUIDE U. 1 50 VMB2934 SPRING 1 51 VMB2934 SPRING 1 51 VMB2936 CLEANER ROLENDID U. 1 52 VXAST709 CLEANER ROLENDID U. 1 53 VXAST709 CLEANER ROLENDID U. 1 53-1 VXAST709 CLEANER SOLENDID U. 1 53-2 VMASS21 CLEANER SOLENDID U. 1 53-2 VMASS21 CLEANER SOLENDID U. 1 61 VMB0356 SCREW 1 64 XX022-ABZ SCREW 1 65 XX022-ABZ SCREW 3 66 XX022-ABZ SCREW 3 67 XX022-ABZ SCREW 1 7 XX022	
38 VXA5567 S SECTOR GEAR U.	
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42 VDG1186 NOTOR WARN GEAR 1 43 VDG1288 NOTOR EMARGENCY GEAR A 1 44 VDG1267 NOTOR EMARGENCY GEAR B 1 45 VXL2591 NAIN GAN ARN U 1 46 VDG1188 NAIN CAN GEAR 1 47 VMB2837 A/C HEAD ADJUST SPRING 1 48 VXL2800 EJECT ARN U 1 49 VXA5770 T1 GUIDE U. 1 50 VMB2834 SPRING 1 51 VMB2834 SPRING 1 52 VXA5768 CLEANER RETURN SPRING 1 53 VXA5769 CLEANER RESE I U. 1 53 VXA5769 CLEANER SOLENOID U. 1 53 VXA5769 CLEANER SOLENOID U. 1 53-2 VMB9521 CLEANER SOLENOID BASE 1 54 VMB0415 CLEANER SOLENOID BASE 1 54 VMB0415 CLEANER SOLENOID BASE 1 61 VH00356 SCREW 1 61 VH00356 SCREW 1 62 XGN2+A3 SCREW 3 65 XGN2+AM2 SCREW 3 66 XGN2+AM2 SCREW 1 67 KGN2+AM2 SCREW 1 68 XGN2+AM2 SCREW 12 68 XGN2+AM3 SCREW 12 68 XGN2+CF4 SCREW 12 69 KGN2+CF4 SCREW 12 69 KGN2+CF4 SCREW 12 60 KGN2+AM2 SCREW 12 60 KGN2+AM2 SCREW 12 60 KGN2+AM3 SCREW 12 61 KGN2+AM3 SCREW 12	
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47 VMB2837 A/C HEAD ADJUST SPRING 1 48 VXL2800 EJECT ARM U 1 49 VXA5770 T1 GUIDE U. 1 50 VMB2834 SPRING 1 51 VMB3051 CLEANER RETURN SPRING 1 52 VXA5768 CLEANER BASE 1 U. 1 53 VXA5769 CLEANER SOLENOID U. 1 53-1 VXJ0222 CLEANER SOLENOID 1 53-2 VMA9521 CLEANER SOLENOID 1 53-2 VMA9521 CLEANER SOLENOID BASE 1 54 VMM0415 CLEANER INSULATTION 1 61 VH00356 SOREW 1 61 VH00356 SOREW 1 62 XON2+A3 SOREW 3 64 XON2+A35FZ SOREW 3 65 XON2+A44 SOREW 3 66 XON2+A44 SOREW 1 67 XON2+OF3 SOREW 1 67 XON2+OF3 SOREW 12 68 XON2+CF4 SOREW 3	
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50 VMB2934 SPRING 1	
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53-1 VSJ0222 CLEANER SOLENOID 1 1 53-2 VMA9521 CLEANER SOLENOID BASE 1 54 VMM0415 CLEANER INSULATTION 1 554 VMM0415 CLEANER INSULATTION 1 554 VMM0415 CLEANER INSULATTION 1 555 CLEANER INSULATION 1 555 CL	
53-2 VMA9521 CLEANER SOLEMOID BASE 1 54 VMM0415 CLEANER INSULATTION 1 61 VHD0356 SCREW 1 62 XQN2+A3 SCREW 1 64 XQN2+A3FZ SCREW 3 65 XQN2+A12 SCREW 3 66 XQN2+A142 SCREW 3 67 XQN2+A14 SCREW 1 68 XQN2+CF3 SCREW 12 68 XQN2+CF4 SCREW 3	
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61 VHD0356 SCREW 1 1	
62 XQN2+A3 SCREW 1	
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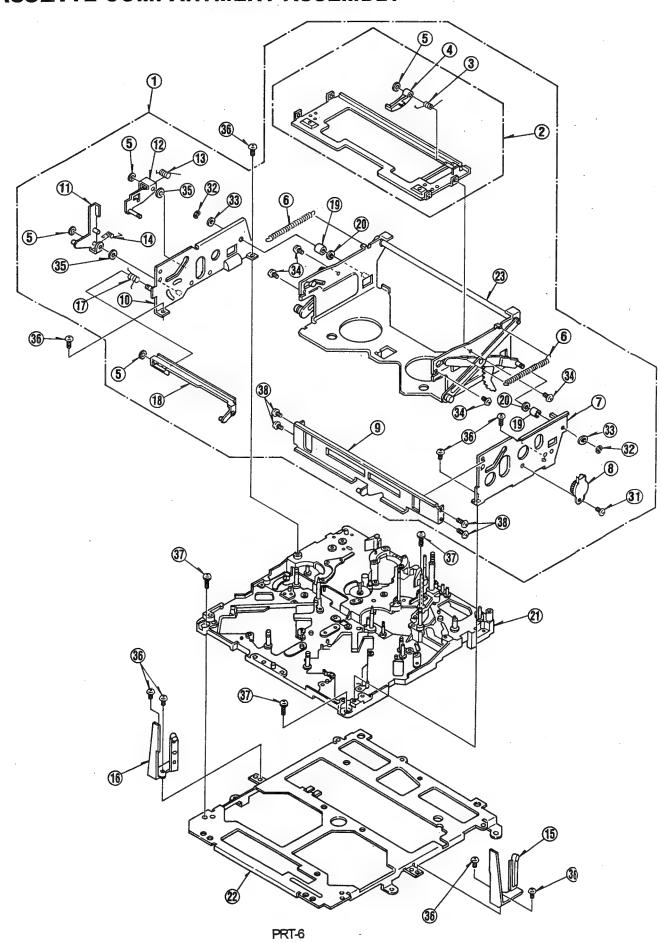
MECHANICAL CHASSIS ASSEMBLY (2)



CASSETTE COMPARTMENT ASSEMBLY

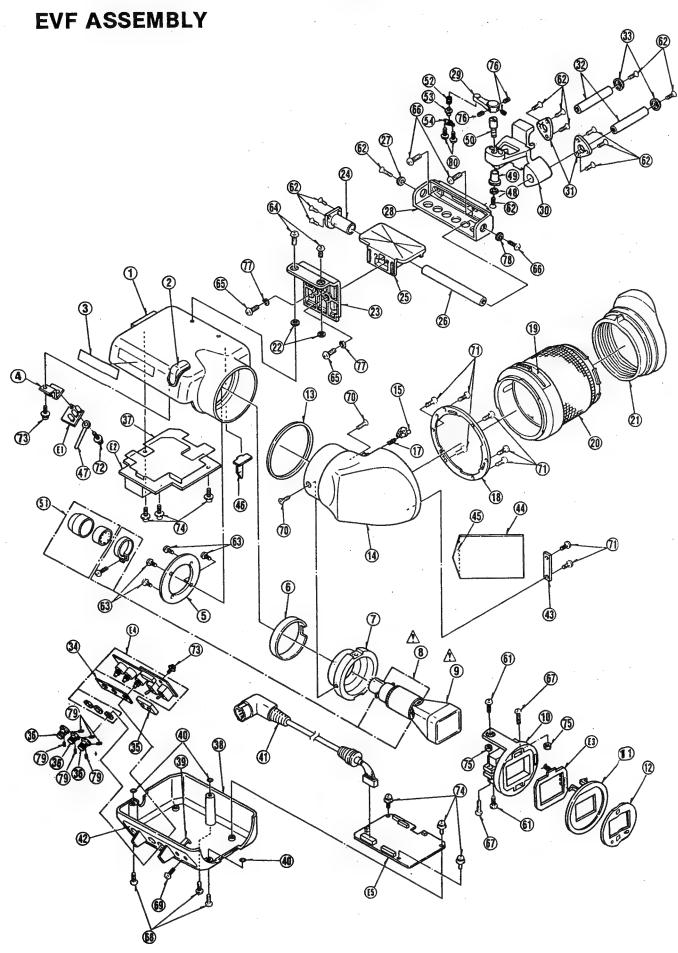
Ref. No.	Part No.	Part Name & Description	cs Remarks	Ref. No.	Part No.	Part Name & Description	n Pc	s Remarks
1	VXA5870	CASSETTE UP U.	1				+	
2	VXA5604	UPPER PLATE U.	1				╁	-
3		CASSETTE HOLD SPRING	1	1			+	
4	VML3100	ADAPTOR STOPPER	1	11	<u> </u>		+	
5		WASHER	4	1			+	
6		SPRING	2				+	
7	VXA5603	SIDE PLATE (R) (1) U.	1					
8		DUMPER	1					
9		LOWER PLATE U.	1				1	
10		SIDE PLATE (L) (1) U.	1	┨┝───			╀	
11		RACHET LOCK COVER U.	1				╀	
12		RACHET COVER U. SPRING	1	11	ļ		+	
14	VMB2981 VMB3025	SPRING	1	11			+	
15		T RECIEVER ANGLE U.	1	11			+	
16		S RECIEVER ANGLE U.	1	11		<u> </u>	+	
17		SCREW	1	11			+	
18		RATCHET TIMING LEVER	1				+	
19		MAIN ARM ROLLER	2					
20	XWGV4Y6G	WASHER	2				I	
21	VXK1272	MECH CHASSIS	1	1			L	
22	VMA9379	SUB CHASSIS	1	11	ļ		1	
23	VXA5605	CUT HOLDER U.	1		ļ		+	
				11	 		+	
				11			+	
31	XQN2+A4	SCREW	1	1}			+	
32	XUC2FP	E-RING	2	11			╁	
33	XWGV3Y5G	WASHER	2	1			+	
34	XQN14+A3	SCREW	4				+	
35	XWGV2Y4G	WASHER	2					
36	XQN2+CF3	SCREW	8				\perp	
37	XYN3+C5	SCREW	3	 				
38	XQN2+A2	SCREW	4	↓			1	
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CASSETTE COMPARTMENT ASSEMBLY

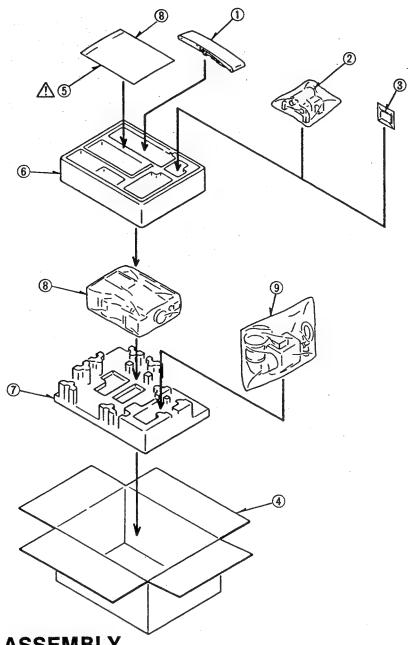


EVF ASSEMBLY

Ref. No.	Part No.	Part Name & Description	cs Remarks	Ref. No.	Part No.	Part Name & Description		
				79	XXEV16D2FP	SCREW	+	8
1	VGM1297	UPPER BODY	1	80	XQN2+A3FZ	SCREW	1.3	4
2	VGL0723	UPPER TALLY	1		ļ		╀	
3	VGB0437	PANASONIC BADGE	1				+	
4	VMP4945	HOLDER PLATE	1		ļ		\bot	
5	VMX2536	END CAP	1	E1	VEP29021A	P. C. BOARD W/COMPONENT	L	1
6	VMX2537	PIPE SPACER	1	E2	VEP29019A	H-DEF C. B. A.	1	[
7	VDB1421	SLIP RING	1	E3	VEP29023A	CRT MASK C. B. A.	1	E:
		DEFLECTION YOKE	1	E4	VEP29020A	VR SW C.B. A.	1	r i
	MO4KYSO7WB	CRT	1	E5	VEP29022A	VIDEO C. B. A.	1	1
10	VGP4348	ESCUTCHEON (A)	1	*	VEQ1906	EVF		
	VGP4349	ESCUTCHEON (B)	1				T	
11		CRT NAME PLATE	1		†	1	+	
	VGH3884		1	l 	 		+	1
13	VMX2552	RING		l 		+	+	
14	VGP4205	CRT CASE	1			-	╀	
15	VXU1443	RELEASE KNOB U	1		_		+	
17	VMB3026	RELEASE SPRING	1	 	ļ		╀	
18	VGP4206	MOUNT RING	1				\perp	
19	VQL8238	WIDTH ADJUST LABEL	1				Ļ	
20	VYC0766	EYE PIECE U	1				L	
21	VMG0799	RUBBER CAP	1				L	
22	VMX1558	NYLON WASHER	2				⊥	
23	VGM1267	INSULATION TABLE	1					
24	VDB1393	BUSH I NG	1				Т	
25	VGM1266	INSULATION TABLE	1		<u>† </u>		\top	
	VMS5862	SHAFT B	1		1		十	1
26		SHAFT STOPPER	1		1		+	1
27	VGQ3989		1	l 	ł		+	1
28	VGM1265	PLATE B	1	}	 		+	
29	VGU7076	EVF LOCK LEVER	1	l 	 		+	1
30	VGM1264	PLATE A		}			╀	
31	VDB1392	BUSHING A	2	l	-		╀	
32	VMS5861	SHAFT A	2				╄	
33	VGQ3989	SHAFT STOPPER	2	 		ļ	╄	
34	VMG0970	SW SPACER	1				Ļ	
35	VMG0975	SW SHIELD RUBBER	1				\perp	
36	VGU7352	VR KNOB	3			<u> </u>	L	
37	VMZ2577	INSULATION PLATE	1					!
. 38	VGM1309	LOWER BODY	1				Т	
39	VMP4946	SW MOUNT PLATE	1				T	
40	VMG0981	RING	3		1		Т	
41	VJA0838	INPUT CABLE	1		<u> </u>		\top	
42	VGH3813	FRONT NAME PLATE	1		1		\uparrow	
		HALF MIRROR HOLDER	1				†	
43	VGQ4165	MIRROR	1	-	 		+	
44	VDL0417		1				+	+
45	VGF0653	NON REFLECTION SHEET		-	<u> </u>	-	╁	
46	VJF0947	CORD KEEPER	1		-		╁	-
47	VJF1034	CLAMPER	1		<u> </u>		╀	<u> </u>
48	VGQ3993	LOCK RING	1				╀	
49	VHD0991	INSERT SCREW	1				╄	
50	VHD0990	LOCK SCREW	1				Ļ	
51	VEE9446	CRT SOCKET	1	<u> </u>	1		1	<u> </u>
52	VMB3027	SPRING	1				L	
53	VGQ4181	LOCK SOCKET	1					I
54	VMP5089	COVER	1				Γ	
	1						Γ	
	-						Г	
	-		1				Г	1
81	YONGOLA	SCREW	2					
61	XQN26+A4	SCREW	12	 	†		<u> </u>	
62	XQS2+A6FZ		4		 	 	<u> </u>	
63	XSB26+6	SCREW		 	 	 	\vdash	
64	XSB3+6FZ	SCREW	2	l 	 		+	
65	XSB3+8FZ	SCREW	2	-	 		+	
66	XSB4+8FZS	SCREW	3	·			\vdash	
67	XSB2+12	SCREW	2	L	!		1	ļ
68	XSN26+10FZ	SCREW	3				\vdash	
69	XSS2+4FZ	SCREW	1	L	L		L	
70	XSS26+6FZ	SCREW	2		L		L	
71	XTN2+5GFZ	SCREW	8				L^{-}	
72	XYN2+F6	SCREW	1		I			
73	XYN2+K4	SCREW	2					
74		SCREW	6					
	XYN26+K5		2				\vdash	
75	XNG2B	NUT	3	——			\vdash	
76	XXEV3W3FP	SCREW			 		-	
77	XWA3BFZ	WASHER	2			 	 	
78	XWA4BFZ	WASHER	1		ļ		\vdash	
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PACKING PARTS ASSEMBLY



PACKING PARTS ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name	& Description	Pcs	Remarks
1	VFC0604	SHOULDER BELT	1						L	
2	VYP5934	VIDEO IN ADAPTOR	1						L	
3	VEJ1672	BATTERY ADAPTOR U	1						L	
4	VPG9007	PACKING CASE	1	AJ-D800EN ONLY						
4	VPG9200	PACKING CASE		AJ-D800E ONLY				<u>.</u>		
♠ 5	VQT7018	OPERATING INSTRUCTIONS	1	ENGLISH						
5	VQT7221	OPERATING INSTRUCTIONS	1	GERMAN	L					
6	VPN4298	CUSHION (UPPER)	1							
7	VPN4299	CUSHION (LOWER)	1							
8	VXF0151	EMARGENCY EJECT U.	1							
						L				

ELECTRICAL REPLACEMENT PARTS LIST

		n . u . n L	D 1	D C 11	David M	Dont Non- 4 D	h	D
Ref. No.	Part No.	Part Name & DescriptionPo	s Remarks	Ref. No. ■ E38	Part No. VEP29020A	Part Name & Description VDEF P. C. BOARD		Remarks (RTL)
	WEDGE CASE	One D C BOARD	1 (RTL)	E38	VEP Z BUZUA	VUCT P. U. BUARD	┼-	(1/14)
■ E1	VEP250160	CDS P. G. BOARD	I (KIL)	■ E39	VEP29021A	F TALLY P. C. BOARD	┢	
50 50	VEP20736A	PULSE P. C. BOARD	1 (RTL)		VEJ EGGETA	1 1/22/ 1: 0: 00/10	╁╌	
■ E2	VEF20700A	TOLUL T. O. DOWNO		■ E40	VEP29023A	EYE PIECE P. C. BOARD	Г	
■ E3	VEP23278B	PRE PROCESS P. C. BOARD	1 (RTL)				Т	
■ E4	VEP20735	CCD ANGLE P. C. BOARD	i (RTL)					
							L	
■ E5	VEPOOW29A	FLEXIBLE P. C. BOARD	1 (RTL)	<u> </u>			↓_	
				■ E1	VEP25016C	CDS P. C. BOARD	1 1	(RTL)
■ E6	VEPOOY28A	MOTHER P. C. BOARD	1 (RTL)	-			\vdash	
		AUTO AVECOU D O DOLOD	1 (7771)				⊢	
■ E7	VEP260740	CAMERA SYSCON P. C. BOARD	1 (RTL)	C3004	ECST1ED226Z	T. CAPACITOR CH 25V 22U	1	
= 50	VEP23275A	CAMERA DSP P. C. BOARD	1 (RTL)	G3005		T. CAPACITOR CH 16V 10U	1	
■ E8	VEFZ3Z 70A	Oracle pol 1. 5. 50745		C3006	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	1	
■ E9	VEP232768	CAMERA ENCODER P. C. BOARD	1 (RTL)	G3007	ECST1ED226Z	T. CAPACITOR CH 25V 22U	1	
				C3101	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1	
■ E10	VEP23446B	CAMERA SYNC P. C. BOARD	1 (RTL) INCUDING E11	C3102	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
■ E11	VEP20747A	CAMERA SYNC SUB P. C. BOARD	1 (RTL) INCUDED E10	03103, 04		C. CAPACITOR CH 50V 47P	2	
				C3105	ECST1ED226Z	T. CAPACITOR CH 25V 22U	1	
■ E12	VEPO3D53A	VIDEO IF P. C. BOARD	1 (RTL)	03106, 07		C. CAPACITOR CH 50V 47P	2	
		WORD 1 /F 017 5 4 7017	1 (071)	C3108	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
■ E13	VEP03D84A	VIDEO I/F SUB P. C. BOARD	1 (RTL)	C3109 C3111		C. CAPACITOR CH 50V 10P T. CAPACITOR CH 16V 10U	1	
	VEDORA 220	VTD SYSCON D C BOARD	1 (RTL)	03111	ECST1ED226Z	T. CAPACITOR CH 25V 22U	1	
■ E14	VEPO6A22C	VTR SYSCON P. C. BOARD	1 UNIE/	03112		C. CAPACITOR CH 50V 3P	1	
■ E15	VEP02437B	SERVO P. C. BOARD	1 (RTL)	C3116	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
				C3201	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1	
■ E16	VEP03B95A	RF P. C. BOARD	1 (RTL)	C32O2	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
				C3203, 04	ECUX1H47OJCV	C. CAPACITOR CH 50V 47P	2	
■ E17	VEP03B96B	VIDEO MAIN P. C. BOARD	1 (RTL)	C3205		T. CAPACITOR CH 25V 22U	1	
				C3206, 07		C. CAPACITOR CH 50V 47P	2	
■ E18	VEP01643A	POWER P. C. BOARD	1 (RTL)	C3208	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
		440040 LOD D O DOADD	1 (DTL) A I_DOODEN DAILY	G3209 G3211		C. CAPACITOR CH 50V 10P T. CAPACITOR CH 16V 10U	<u> </u>	
■ E19	VEP04522B	AUD10 LCD P. C. BOARD AUD10 LCD P. C. BOARD	1 (RTL) AJ-D800EN ONLY 1 (RTL) AJ-D800E ONLY	C3212	<u> </u>	T. CAPACITOR CH 25V 22U	1	
■ E19	VEPO4690A	AUDIO EUD P. U. BUARD	T GRIEFAG-DOUGE GHE!	C3214		C. CAPACITOR CH 50V 3P	1	
■ E20	VEPO1786A	REAR JACK P. C. BOARD	1 (RTL)	C3216		M. RESISTOR CH 1/16W 0	1	
				C3301	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1	
■ E21	VEP80980A	VTR FLEXIBLE P. C. BOARD	1 (RTL)	03302	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
				C3303, 04	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	2	
■ E22	VEPO0W03A	POWER SW P. C. BOARD	1 (RTL)	C3305	ECST1ED226Z	T. CAPACITOR CH 25V 22U	1	
				C3306, 07		C. CAPACITOR CH 50V 47P	2	
■ E23	VEPO0W04A	TOGGLE SW P. C. BOARD	1 (RTL)	C3308	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
		HORE GUEAK D. O. COLDO	1 (RTL)	C3309 C3311		C. CAPACITOR CH 50V 10P T. CAPACITOR CH 16V 10U	1	
■ E24	VEPOOW05A	MODE CHECK P. C. BOARD	I (KIL)	03311	ECST1ED226Z	T. CAPACITOR CH 25V 22U	1	
3 506	VEPOOW07A	ALARM/MONITOR P. C. BOARD	1 (RTL)	C3314		C. CAPACITOR CH 50V 3P	1	
■ E25	VEL CONCIN	7-2-100 000111011110110100		C3316		M. RESISTOR CH 1/16W 0	1	
■ E26	VEP80961B	BACKUP BATTERY P. C. BOARD	1 (RTL)					
				D3001	MA3047-M	DIODE	1	
■ E27	VEPOOW08B	HEAD PHONE P. C. BOARD	1 (RTL)	D3102	MA151K	DIODE	1	
			1	D3202	MA151K	DIODE	1	
■ E28	VEPOOX87A	DC INPUT P. C. BOARD	1 (RTL)	D3302	MA151K	DIODE	1	
		FRONT TOOOLE P O DOLOR	1 (071)	102001	NJM431U	IC	1	
■ E29	VEP20537A	FRONT TOGGLE P. C. BOARD	1 (RTL)	103001	NJM2904M	10	1	
= 500	VEP20538A	FRONT P. C. BOARD	1 (RTL)	100002			 	
■ E30	VEFZWOON	THE T. P. DUNIE		P3001	VJP3125B006	CONNECTOR (MALE) 8P	1	
■ E31	VEP86149A	OPERATE P. C. BOARD	1 (RTL)	P3002	VJP3550B014	CONNECTOR (MALE)	i	
	1			P3003	VJP3125B006	CONNECTOR (MALE) 6P	1	
■ E32	VEP80858A	BACK TALLY LED P. C. BOARD	1 (RTL)					
	1			Q3001	2SB956-R	TRANSISTOR	1	
₩ E33	VEP80A14A	FRONT MIC P. C. BOARD	1 (RTL)	Q3101	2SA1022-B	TRANSISTOR	1	
				Q3102	38K157J15	TRANSISTOR	1	
■ E34	VEP80A13A	BNC P. C. BOARD	1 (RTL)	Q3103	2SC2295-B	TRANSISTOR	1	
			4 (ATL)	Q3104	2SA1022-B	TRANSISTOR	1.	
■ E35	VEP86252A	MEMORY CARD P. C. BOARD	1 (RTL)	93105	3SK157J15	TRANSISTOR	1	
	16000010	LINCE D O POADO	1 (971)	Q3106 Q3107	2SC2295-B	TRANSISTOR TRANSISTOR	1	
■ E36	VEP29019	HDEF P. C. BOARD	1 (RTL)	Q3107 Q3108	2SA1022-B 3SK157J15	TRANSISTOR	1	
3 503	VEP29022A	VIDEO P. C. BOARD	1 (RTL)	Q3109	2SC2295-B	TRANSISTOR TRANSISTOR	1	
■ E37	YELTONETY	TIVES F. V. GUINN		Q3110	2SA1022-B	TRANSISTOR	1	
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Ref. No.	Part No.	Part Name & Description	Pcs Remarks	Ref. No.	Part No.	Part Name & Descriptio	nPo	s Remarks
Q3111	3SK157J15	TRANSISTOR	1	R3118	VRE0071E153	M. RESISTOR CH 1/16W 15K		1
Q3112	2SC2295-B	TRANSISTOR	1	R3119	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	Т	1
Q3113	2SA1022-B	TRANS!STOR	1	R3120	VRE0071E220	M. RESISTOR CH 1/16W 22	Т	1
Q3114	3SK157J15	TRANSISTOR	1	R3121	VRE0071E153	M. RESISTOR CH 1/16W 15K		1
Q3115-19	2SC2295-B	TRANSISTOR	5	R3124	VRE0071E301	M. RESISTOR CH 1/16W 300	\top	1
93120	2SD601A-R	TRANSISTOR	1	R3125	VRE0071E182	M. RESISTOR CH 1/16W 1.8K	+	1
93121, 22	2SA1226	TRANSISTOR	2	R3126	VRE0071E301	M. RESISTOR CH 1/16W 300	+	il
			1	R3127	VRE0071E182	M. RESISTOR CH 1/16W 1.8K	+	1
Q3123	2SB710A-R	TRANS ISTOR					+	·
Q3201	2\$A1022-B	TRANSISTOR	1	R3128	VRE0071E122	M. RESISTOR CH 1/16W 1.2K	+	1
93202	3SK157J15	TRANSISTOR	1	R3129-31	VRE0071E472	M. RESISTOR CH 1/16W 4. 7K	-	3
Q3203	2SC2295-B	TRANSISTOR	1	R3132, 33	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0		2
03204	2SA1022-B	TRANSISTOR	1	R3134	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	1
Q3205	3SK157J15	TRANSISTOR	1	R3136	VRE0071E163	M. RESISTOR CH 1/16W 16K	L	1
Q3206	2SC2295-B	TRANSISTOR	1	R3137	VRE0071E561	M. RESISTOR CH 1/16W 560	Т	1
93207	2SA1022-B	TRANSISTOR	1	R3139	VRE0071E272	M. RESISTOR CH 1/16W 2.7K		1
Q3208	3SK157J15	TRANS I STOR	1	R3140	VRE0071E822	M. RESISTOR CH 1/16W 8. 2K	T	1
Q3209	2SC2295-B	TRANSISTOR	1	R3141, 42	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0		2
Q3210	2SA1022-B	TRANSISTOR	1	R3143	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	+	1
		TRANSISTOR	1	R3144, 45		M. RESISTOR CH 1/16W 0	+	2
03211	38K157J15		1				+	1
Q3212	2SC2295-B	TRANS ISTOR		R3146	VRE0071E122	M. RESISTOR CH 1/16W 1.2K	+	'l
03213	2SA1022-B	TRANSISTOR	1	R3147		M. RESISTOR CH 1/16W 3.9K	+	
Q3214	3SK157J15	TRANS ISTOR	1	R3201		M. RESISTOR CH 1/16W 30K	+	1
03215-19	2SC2295-B	TRANSISTOR	5	R3202	VRE0071E273	M. RESISTOR CH 1/16W 27K	1	1
03220	2SD601 A-R	TRANSISTOR	1	R3203		M. RESISTOR CH 1/16W 220	1	<u>`</u>
Q3221, 2 2	2SA1226	TRANS I STOR	2	R3204	VRE0071E272	M. RESISTOR CH 1/16W 2.7K	L	1
Q33 01	2SA1022-B	TRANSISTOR	1	R3205	VRE0071E220	M. RESISTOR CH 1/16W 22	Ŀ	1
03302	3SK157J15	TRANS I STOR	1	R3206	VRE0071E102	M. RESISTOR CH 1/16W 1K	Γ	1
93303	2SC2295-B	TRANSISTOR	1	R3207	VRE0071E153	M. RESISTOR CH 1/16W 15K		
93304	2SA1022-B	TRANSISTOR	1	R3208	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	
Q3305	3SK157J15	TRANSISTOR	1	R3209	VRE0071E220	M. RESISTOR CH 1/16W 22		
Q3306	2SC2295-B	TRANSISTOR	1	R3210		M. RESISTOR CH 1/16W 15K	1	
Q3307	2SA1022-B	TRANSISTOR	1	R3211	VRE0071E221	M. RESISTOR CH 1/16W 220	1	
		TRANSISTOR	1	R3212	VRE0071E472	M. RESISTOR CH 1/16W 4. 7K	1	
03308	3SK157J15		1	R3213			+	
93309	2SC2295-B	TRANSISTOR					١.	
Q33 10	2SA1022-B	TRANSISTOR	1	R3214	VRE0071E153	M. RESISTOR CH 1/16W 15K		
93311	3SK157J15	TRANSISTOR	1	R3215		M. RESISTOR CH 1/16W 4.7K	1	!
Q3312	2SC2295-B	TRANSISTOR	1	R3216	VRE0071E220	M. RESISTOR CH 1/16W 22	1	ı e
Q3313	2SA1022-B	TRANSISTOR	1	R3217	VRE0071E102	M. RESISTOR CH 1/16W 1K		i
Q3314	3SK157J15	TRANSISTOR	1	R3218	VRE0071E153	M. RESISTOR CH 1/16W 15K	1	
Q3315-19	2SC2295-B	TRANSISTOR	5	R3219	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	i l
93321, 22	2SA1226	TRANSISTOR	2	R3220	VRE0071E220	M. RESISTOR CH 1/16W 22	1	
Q3323	2SD601A-R	TRANSISTOR	1	R3221	VRE0071E153	M. RESISTOR CH 1/16W 15K	1	
				R3224	VRE0071E301	M. RESISTOR CH 1/16W 300	1	
QR3101, Q	IN2217	TRANSISTOR-RESISTOR	2	R3225	VRE0071E182	M. RESISTOR CH 1/16W 1.8K	1	
QR3201, 02		TRANSISTOR-RESISTOR	2	R3226		M. RESISTOR CH 1/16W 300	1	
QR3301, 02		TRANSISTOR-RESISTOR	2	R3227		M. RESISTOR CH 1/16W 1.8K	ti	
GRG001, 02	E ORZZ17	111111111111111111111111111111111111111		R3228		M. RESISTOR CH 1/16W 1.2K	+	
B2001	VRE0071E473	M. RESISTOR CH 1/16W 47K	1	R3229-31		M. RESISTOR CH 1/16W 4.7K	1	
R3001		M. RESISTOR CH 1/16W 27K	1	R3232, 33		M. RESISTOR OH 1/16W 0	1 2	
R3002	VRE0071E273		1	R3234			+:	
R3003	VRE0071E473	M. RESISTOR CH 1/16W 47K	1				+-:	
R3004	VRE0071E273	M. RESISTOR CH 1/16W 27K	1	R3239		M. RESISTOR CH 1/16W 3. 9K	+!	
R3005		M. RESISTOR CH 1/16W 4.3K				M. RESISTOR CH 1/16W 0	2	
R3007		M. RESISTOR CH 1/16W 56K	1	R3243		M. RESISTOR CH 1/16W 2.4K	1	
R3008		M. RESISTOR CH 1/16W 3.3K	1	R3244, 45		M. RESISTOR CH 1/16W 0	2	
R3009	VRE0071E101	M. RESISTOR CH 1/16W 100	1	R3246		M. RESISTOR CH 1/16W 1.2K	1	
R3010, 11	VRE0071E563	M. RESISTOR CH 1/16W 56K	2	R3247	VRE0071E392	M. RESISTOR CH 1/16W 3. 9K	1	
R3012	VRE0071E333	M. RESISTOR CH. 1/16W 33K	1	R3301	VRE0071E303	M. RESISTOR CH 1/16W 30K	1	
R3014	ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	1	R3302	VRE0071E273	M. RESISTOR CH 1/16W 27K	1	
R3101	VRE0071E303	M. RESISTOR CH 1/16W 30K	1	R3303	VRE0071E221	M. RESISTOR CH 1/16W 220	1	
R3102	VRE0071E273	M. RESISTOR CH 1/16W 27K	1	R3304		M. RESISTOR CH 1/16W 2.7K	1	
R3103	VRE0071E221	M. RESISTOR CH 1/16W 220	1	R3305		M. RESISTOR CH 1/16W 22	1	
R3104	VRE0071E272	M. RESISTOR ON 1/16W 2.7K	i	R3306		M. RESISTOR CH 1/16W 1K	1	
		M. RESISTOR OH 1/16W 2.7K	1	R3307		M. RESISTOR OH 1/16W 15K	1	
R3105	VRE0071E220			R3308			-	
R3106	VRE0071E102	M. RESISTOR CH 1/16W 1K	1			M. RESISTOR CH 1/16W 4.7K	1	
R3107	VRE0071E153	M. RESISTOR CH 1/16W 15K	1	R3309		M. RESISTOR CH 1/16W 22	1 !	
R3108	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	R3310		M. RESISTOR CH 1/16W 15K	1	
R3109	VRE0071E220	M. RESISTOR CH 1/16W 22	1	R3311		M. RESISTOR CH 1/16W 220	1	
R3110	VRE0071E153	M. RESISTOR CH 1/16W 15K	1	R3312		M. RESISTOR CH 1/16W 4.7K	1	
R3111	VRE0071E221	M. RESISTOR CH 1/16W 220	1	R3313	VRE0071E220	M. RESISTOR CH 1/16W 22	1	
R3112	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	R3314	VRE0071E153	M. RESISTOR CH 1/16W 15K	_1	
R3113	VRE0071E220	M. RESISTOR CH 1/16W 22	1	R3315	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	
R3114	VRE0071E153	M. RESISTOR OH 1/16W 15K	1	R3316		M. RESISTOR CH 1/16W 22	1	
R3115	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	R3317		M. RESISTOR CH 1/16W 1K	1	
R3116	VRE0071E220	M. RESISTOR CH 1/16W 22	1	R3318		M. RESISTOR CH 1/16W 15K	1	
R3117	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	R3319		M. RESISTOR CH 1/16W 4. 7K	1	
R011/	VREGO/1E102	m. HEOTOTOK ON 17 ION IN	<u> </u>				H	
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D. C.N.	Don't No.	Part Name & DescriptionPo	s Remarks	Ref. No.	Part No.	Part Name & Description	Pc	Remarks
Ref. No.			A REMAINS	C70, 71		E. CAPACITOR CH 16V 47U	1	
		M. RESISTOR CH 1/16W 22					ti	
R3321	***************************************	M. RESISTOR CH 1/16W 15K		G72			+:	
R3324	VRE0071E181	M. RESISTOR CH 1/16W 180		C73	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	
R3325	VRE0071E182	M. RESISTOR CH 1/16W 1.8K		C77	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	
	VRE0071E181	M. RESISTOR CH 1/16W 180		C101	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	İ
		M. RESISTOR CH 1/16W 1.8K		C102	ECST1CY105Z	T. CAPACITOR CH 16V 1U	1	
				0103		C. CAPACITOR CH 50V 0. 01U	1	
		M. RESISTOR CH 1/16W 1. 2K					Hi	
R3329	VRE0071E472	M. RESISTOR CH 1/16W 4.7K		C104	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	Ľ	
R3330, 31	VRE0071E682	M. RESISTOR CH 1/16W 6.8K	2	G105	ECEV1EV330Q	E. CAPACITOR CH 25V 33U	1_1	
R3332, 33	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	C106	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
		M. RESISTOR CH 1/16W 750		C107	ECEV1EV330Q	E. CAPACITOR CH 25V 33U	1	
	***************************************	M. RESISTOR CH 1/16W 1K	1	C522	ECA1VFQ270	E. CAPACITOR 35V 27U	1	
110				C523-26	VCK0134K104	C. CAPACITOR 0. 1U	1	
R3341, 42			2	U023-20	VOR0134K104	C. CAPACITOR C. 10	+-	-
R3343	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	1				┡	
R3344, 45	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	D4	MA3068-M	DIODE	_1	
R3346	VRE0071E122	M. RESISTOR CH 1/16W 1.2K	1	D5	MA3047-N	DIODE	1	
R3347	VRE0071E392	M. RESISTOR CH 1/16W 3.9K	ri e	D6	MA152K	DIODE	1	
10047	VILLOUT TECCE		<u> </u>	D7	MA153	DIODE	1	
		TEGY COLLET		D8	MA152K	DIODE	1	
TG3001, 02	EYF6CU	TEST POINT	2				+-	
			ļ	D10	MA3047-M	DIODE	L	
TP3001-05	EYF6CU	TEST POINT	5	D11	MA3068-M	DIODE	_1	
TP3101-03	EYF6CU	TEST POINT	3				L	
TP3201-03			3	101	MN53003XCU	IC	1	
			3	102	MN53020XXG1	ASIC	1	l
TP3301-03	E1F000	ILOI FUINI	×	103	MC74HC244AF	10	Fi	
							H	
VC3101	VCV0048	TRIMMER	1	105	MC74HG244AF	10	₩.	
VC3201	VCV0048	TRIMMER	1	108	MC74HC4538AF	10	1	
VC3301	VCV0048	TRIMMER	1	107	MC74HC08AF	10	1	
				108	MC74HCOOAF	10	1	
MPG1C1	VRV0113B502	V. RESISTOR 5K	1	IC9	MC74HC08AF	IC	1	
VR3101			1	1010	MC74HC04AF	IC	1	
VR3102							H	1
VR3201	VRV0113B502	V. RESISTOR 5K	1	1013	NJM431U	IC	٠.	
VR3202	VRV0113B203	V. RESISTOR 20K	1	1014	NJM2904M	10	1	<u> </u>
VR3301	VRV0113B502	V. RESISTOR 5K	1	1015	NJ#431U	10	1	
VR3302	VRV0113B203	V. RESISTOR 20K	1	IC16	NJM2904M	10	1	
MOOVE				1020	NJM2904M	10	1	
	 			1021	NJM431U	10	T i	1
<u> </u>			1 (DTI)			 	+:	
■ E2	VEP20736A	PULSE P. C. BOARD	1 (RTL)	1C22	NJM2904N	10	⊢ '	l
	L						<u> </u>	
				L1	VLP0352	COIL	\perp 1	
C1	ECUX1H820JCV	C. CAPACITOR CH 50V 82P	1				1	
Ç3		T. CAPACITOR CH 16V 33U	1	P1	VJS2907D025	CONNECTOR (FEMALE)	1	
		C. CAPACITOR CH 25V 0. 1U	1	P2, P3	VJS3422B018	CONNECTOR (FEMALE)	2	
04			1	P4 P4	VJS3550A014	CONNECTOR (FEMALE)	1	
C5		C. CAPACITOR CH 50V 18P		F-7	-000000NU14	CONTROL (1 CHALLE)	⊢'	
C6		C. CAPACITOR CH 50V 68P			2000555	TRANSI ATAT	+	
C9		C. CAPACITOR CH 50V 33P	1	Q3, Q4	2SB956-R	TRANSISTOR	2	
C10	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1	Q5	2SD1280-R	TRANSISTOR	1	
C15		C. CAPACITOR CH 25V 0. 1U	1	Q6	2SB709A-R	TRANSISTOR	1	
C16		C. CAPACITOR CH 50V 1000P	1	Q7	2SD601A-R	TRANSISTOR	1	
			1	Q9	2SB709A-R	TRANSISTOR	i	
017							1	
C18			1	Q10	2SD1280-R	TRANSISTOR	1	
C19	ECEVOJV4700	E. CAPACITOR CH6. 3V 47U	1	Q11, 12	2SC3734B24	TRANSISTOR	2	
C20	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	Q13	2SB709A-R	TRANSISTOR	1	
G21	ECEV1EV3300	E. CAPACITOR CH 25V 33U	1	Q14	2SD601A-R	TRANSISTOR	1	
C22-27			6	Q15, 16	2SC3735B35	TRANSISTOR	2	
C28, 29			2	Q17~19	2SD601A-R	TRANSISTOR	3	
			1	Q22, 23	2SB956-R	TRANSISTOR	2	
C34			:	422, 23	TODOUS.V	THE POST OF THE PO	- ۱	
C35		C. CAPACITOR CH 50V 0. 01U	1	P4 77	ED INOPIIO	W OFFILETON OUT 1 11000	-	
C36	VCEA1AAP680	E. CAPACITOR 10V 68U	1	R1-R9		M. RESISTOR CH 1/16W 0	9	
C37	ECUX1H1 O3KBV	C. CAPACITOR CH 50V 0.01U	1	R12	VRE0071E561	M. RESISTOR CH 1/16W 560	1	
C38	ECA1EFQ181	E. CAPACITOR 25V 180U	1	R13	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
			1	R16, 17		M. RESISTOR CH 1/16W 0	2	
	ECHX1H1 COKRV	IC. CAPACITUR CHINDY D. DID I					3	
C39	ECUX1H1O3KBV		1	R20-22	ERJ3GFYOROO	DIE RESISION ON 1716		
C39 C40	EGA1CFQ121	E. CAPACITOR 16V 120U	1	R20-22	 	M. RESISTOR CH 1/16W 0	-	
C39 C40 C41	ECA1CFQ121 ECST1EX335Z	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3.3U	1	R24	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
C39 C40	ECA1CFQ121 ECST1EX335Z	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3.3U	1 1 1	R24 R27-29	ERJ3GEY0R00 VRE0071E330	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K	3	
C39 C40 C41	ECA1CFQ121 ECST1EX335Z ECEV1CV470Q	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U	1	R24	ERJ3GEY0R00 VRE0071E330	M. RESISTOR CH 1/16W 0	1	
C39 C40 C41 C43 C45	EGA10F0121 ECST1EX335Z ECEV1CV470Q ECEV1CV470Q	E. CAPACITOR 16V 12OU T. CAPACITOR CH 25V 3. 3U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U	1 1 1	R24 R27-29	ERJ3GEY0R00 VRE0071E330 ERJ3GEY0R00	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K	3	
C39 C40 C41 C43 C45 C46	ECA10FQ121 ECST1EX335Z ECEV1CV470Q ECEV1CV470Q ECEV1HV2R2Q	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 50V 2. 2U	1 1 1 1	R24 R27-29 R30-32	ERJ3GEY0R00 VRE0071E330 ERJ3GEY0R00 VRE0071E102	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K	3	
C39 C40 C41 C43 C45 C46 C48	ECA10FQ121 ECST1EX335Z ECEV1CV470Q ECEV1CV470Q ECEV1HV2R2Q ECA1EKF22O	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 50V 2. 2U E. CAPACITOR 25V 22U	1 1 1 1	R24 R27-29 R30-32 R38-40 R42	ERJ3GEYOROO VREOO71E33O ERJ3GEYOROO VREOO71E102 ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 0	1 3 3 3	
C39 C40 C41 C43 C45 C46 C48 C50	ECA10#Q121 ECST1EX335Z ECEV1CV470Q ECEV1CV470Q ECEV1HV2R2Q ECA1EKF22Q ECUX1E104ZFV	E. GAPAGITOR 16V 120U T. GAPAGITOR CH 25V 3. 3U E. GAPAGITOR CH 16V 47U E. GAPAGITOR CH 16V 47U E. GAPAGITOR CH 50V 2. 2U E. GAPAGITOR 25V 22U G. GAPAGITOR CH 25V 0. 1U	1 1 1 1 1 1 1 1 1	R24 R27-29 R30-32 R38-40 R42 R43, 44	ERJ3GEYOROO VREOO71E330 ERJ3GEYOROO VREOO71E102 ERJ3GEYOROO VREOO71E103	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1OK	1 3 3 1 2	
C39 C40 C41 C43 C45 C46 C48	EGA10FQ121 EGST1EX335Z EGEV1CV470Q EGEV1CV470Q EGEV1HV2R2Q EGA1EKF22O EGUX1E104ZFV EGUX1E104ZFV	E. GAPAGITOR 16V 120U T. GAPAGITOR CH 25V 3. 3U E. CAPAGITOR CH 16V 47U E. CAPAGITOR CH 16V 47U E. CAPAGITOR CH 50V 2. 2U E. CAPAGITOR 25V 22U C. CAPAGITOR CH 25V 0. 1U C. GAPAGITOR CH 25V 0. 1U	1 1 1 1 1 1 1 1 1 1 1 1 2	R24 R27-29 R30-32 R38-40 R42 R43, 44 R45, 48	ERJ3GEYOROO VRE0071E330 ERJ3GEYOROO VRE0071E102 ERJ3GEYOROO VRE0071E103 VRE0071E391	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 390	1 3 3 1 2 2	
C39 C40 C41 C43 C45 C46 C48 C50	EGA10FQ121 EGST1EX335Z EGEV1CV470Q EGEV1CV470Q EGEV1HV2R2Q EGA1EKF22O EGUX1E104ZFV EGUX1E104ZFV	E. GAPAGITOR 16V 120U T. GAPAGITOR CH 25V 3. 3U E. CAPAGITOR CH 16V 47U E. CAPAGITOR CH 16V 47U E. CAPAGITOR CH 50V 2. 2U E. CAPAGITOR 25V 22U C. CAPAGITOR CH 25V 0. 1U C. GAPAGITOR CH 25V 0. 1U	1 1 1 1 1 1 1 1 1	R24 R27-29 R30-32 R38-40 R42 R43, 44	ERJ3GEYOROO VRE0071E330 ERJ3GEYOROO VRE0071E102 ERJ3GEYOROO VRE0071E103 VRE0071E391	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1OK	1 3 3 1 2	
C39 C40 C41 C43 C45 C46 C48 C50 C52, 53	EGA10FQ121 EGST1EX335Z EGEV1CV470Q EGEV1CV470Q EGEV1HV2R2Q EGA1EKF22O EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 50V 2. 2U E. CAPACITOR CH 25V 22U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U	1 1 1 1 1 1 1 1 1 1 1 1 2	R24 R27-29 R30-32 R38-40 R42 R43, 44 R45, 48	ERJ3GEYOROO VREOO71E330 ERJ3GEYOROO VREOO71E102 ERJ3GEYOROO VREOO71E103 VREOO71E391 VREOO71E562	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 390	1 3 3 1 2 2	
C39 C40 C41 C43 C45 C46 C48 C50 C52, 53 C55-57 C58, 59	EGA10FQ121 EGST1EX335Z EGEV1GV4700 EGEV1GV4700 EGEV1HV2R20 EGA1EKF220 EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 50V 2. 2U E. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 1000P	1 1 1 1 1 1 1 1 1 1 2 2	R24 R27-29 R30-32 R38-40 R42 R43, 44 R45, 48	ERJ3GEYOROO VREOO71E330 ERJ3GEYOROO VREOO71E102 ERJ3GEYOROO VREOO71E103 VREOO71E391 VREOO71E562 VREOO71E123	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 390 M. RESISTOR CH 1/16W 5.6K	1 3 3 1 2 2	
C39 C40 C41 C43 C45 C46 C48 C50 C52, 53 C55–57 C58, 59 C60	EGA10FQ121 EGST1EX335Z EGEV1CV470Q EGEV1CV470Q EGEV1HV2R2Q EGA1EKF22Q EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1H10ZJV ECUX1H10ZJV	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 27U E. CAPACITOR CH 25V 2. 2U E. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 820P	1 1 1 1 1 1 1 1 1 1 2 2	R24 R27-29 R30-32 R38-40 R42 R43, 44 R45, 46 R47 R48	ERJ3GEYOROO VRE0071E330 ERJ3GEYOROO VRE0071E102 ERJ3GEYOROO VRE0071E103 VRE0071E391 VRE0071E562 VRE0071E123 VRE0071E473	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 1O M. RESISTOR CH 1/16W 1OK M. RESISTOR CH 1/16W 390 M. RESISTOR CH 1/16W 5.6K M. RESISTOR CH 1/16W 12K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 47K	1 3 3 1 2 2 1	
C39 C40 C41 C43 C45 C46 C48 C50 C52, 53 C55-57 C58, 59 C60 C61	EGA10FQ121 ECST1EX335Z ECEV1CV470Q ECEV1CV470Q ECEV1HV2R20 ECA1EKF220 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1H32JV ECUX1H32JV ECUX1H103KBV	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 50V 2. 2U E. CAPACITOR CH 25V 22U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 820P C. CAPACITOR CH 50V 0. 01U	1 1 1 1 1 1 1 1 1 1 2 2	R24 R27-29 R30-32 R38-40 R42 R43, 44 R45, 44 R45, 44 R45, 84 R47	ERJ3GEYOROO VREOO71E330 ERJ3GEYOROO VREOO71E102 ERJ3GEYOROO VREOO71E103 VREOO71E391 VREOO71E502 VREOO71E123 VREOO71E473 VREOO71E562	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 1OK M. RESISTOR CH 1/16W 1OK M. RESISTOR CH 1/16W 390 M. RESISTOR CH 1/16W 5.6K M. RESISTOR CH 1/16W 12K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 5.6K M. RESISTOR CH 1/16W 5.6K	1 3 3 1 2 2 1	
C39 C40 C41 C43 C45 C46 C48 C50 C52, 53 C55-57 C56, 59 C60	EGA10FQ121 ECST1EX335Z ECEV1CV470Q ECEV1CV470Q ECEV1HV2R20 ECA1EKF220 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1H32JV ECUX1H32JV ECUX1H103KBV	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 27U E. CAPACITOR CH 25V 2. 2U E. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 820P	1 1 1 1 1 1 1 1 1 1 2 2	R24 R27-29 R30-32 R38-40 R42 R43, 44 R45, 46 R47 R48	ERJ3GEYOROO VREOO71E330 ERJ3GEYOROO VREOO71E102 ERJ3GEYOROO VREOO71E103 VREOO71E391 VREOO71E502 VREOO71E52 VREOO71E523 VREOO71E523 VREOO71E523	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 1O M. RESISTOR CH 1/16W 1OK M. RESISTOR CH 1/16W 390 M. RESISTOR CH 1/16W 5.6K M. RESISTOR CH 1/16W 12K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 47K	1 3 3 1 2 2 1	
C39 C40 C41 C43 C45 C46 C48 C50 C52, 53 C55-57 C58, 59 C60 C61	EGA10FQ121 ECST1EX335Z ECEV1CV470Q ECEV1CV470Q ECEV1HV2R20 ECA1EKF220 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1H32JV ECUX1H32JV ECUX1H103KBV	E. CAPACITOR 16V 120U T. CAPACITOR CH 25V 3. 3U E CAPACITOR CH 16V 47U E. CAPACITOR CH 16V 47U E. CAPACITOR CH 50V 2. 2U E. CAPACITOR CH 25V 22U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 820P C. CAPACITOR CH 50V 0. 01U	1 1 1 1 1 1 1 1 1 1 2 2	R24 R27-29 R30-32 R38-40 R42 R43, 44 R45, 44 R45, 44 R45, 84 R47	ERJ3GEYOROO VREOO71E330 ERJ3GEYOROO VREOO71E102 ERJ3GEYOROO VREOO71E103 VREOO71E391 VREOO71E502 VREOO71E123 VREOO71E473 VREOO71E562	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 1OK M. RESISTOR CH 1/16W 1OK M. RESISTOR CH 1/16W 390 M. RESISTOR CH 1/16W 5.6K M. RESISTOR CH 1/16W 12K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 5.6K M. RESISTOR CH 1/16W 5.6K	1 3 3 1 2 2 1	

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Ref. No.	Part No.	Part Name & DescriptionPo	s Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
		M. RESISTOR CH 1/16W 47K	1					
		M. RESISTOR CH 1/16W 5.6K	1					
		M. RESISTOR CH 1/16W 12K	1	≡ E3	VEP23278B	PRE PROCESS P. C. BOARD	1	(RTL)
R55	VRE0071E473	M. RESISTOR CH 1/16W 47K	1				L	
R60	VRE0071E393	M. RESISTOR CH 1/16W 39K	1					
R61, 62	VRE0071E203	M. RESISTOR CH 1/16W 20K	2	C3001	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
R63, 64	VRE0071E393	M. RESISTOR CH 1/16W 39K	2	C3002	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	L	1
R65	VRE0071E203	M. RESISTOR CH 1/16W 20K	1	C3003	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U		
R76	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	C3004, 05	ECST1CY225Z	T. CAPACITOR CH 16V 2. 2U	2	2
R77	VRE0071E153	M. RESISTOR CH 1/16W 15K	1	03006, 07	ECST1AY106Z	T. CAPACITOR CH 10V 10U	1	2
R78	VRE0071E332	M. RESISTOR CH 1/16W 3.3K	1	C3008, 09	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	2
R79, 80	VRE0071E223	M. RESISTOR CH 1/16W 22K	2	C3010	ECST1GX156Z	T. CAPACITOR CH 16V 15U	1	1
R81	VRE0071E332	M. RESISTOR CH 1/16W 3.3K	1	C3012	ECST1CX156Z	T. CAPACITOR CH 16V 15U		·
R82	VRE0071E101	M. RESISTOR CH 1/16W 100	1	G3014	ECUX1H100DCV	C. CAPACITOR CH 50V 10P		I
R83	VRE0071E303	M. RESISTOR CH 1/16W 30K	1	C3015	ECUX1H56OJCV	C. CAPACITOR CH 50V 56P		
R84	VRE0071E512	M. RESISTOR CH 1/16W 5.1K	1	C3016, 17		C. CAPACITOR CH 25V 0. 1U	12	2
R85	VRE0071E332	M. RESISTOR CH 1/16W 3.3K	1	C3018	·	C. CAPACITOR CH 50V 5P		<u> </u>
R86	VRE0071E101	M. RESISTOR CH 1/16W 100	1	C3019-22		C. CAPACITOR CH 25V 0. 1U	1	4
R87, 88	VRE0071E563	M. RESISTOR CH 1/16W 56K	2	C3023		C. CAPACITOR CH 50V 4P	L1	
R89	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	C3025		C. CAPACITOR CH 25V O. 1U		4
R90	VRE0071E153	M. RESISTOR CH 1/16W 15K	1	C3026, 27	ECST1CY225Z	T. CAPACITOR CH 16V 2. 2U	12	2
R91		M. RESISTOR CH 1/16W 47K	1	C3028	ECEV1CN1000	E. CAPACITOR CH 16V 10U	1	
R92		M. RESISTOR OH 1/16W 36K	1	C3029, 30		C. CAPACITOR CH 25V 0. 1U	1	2
R93		M. RESISTOR CH 1/16W 33K	1	03031	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
R94		M. RESISTOR CH 1/16W 39K	1	03032		C. CAPACITOR CH 25V 0. 1U	!	
R9597	VRE0071E103	M. RESISTOR CH 1/16W 10K	3	03033	ECUX1H33OJCV	C. CAPACITOR CH 50V 33P	!	·
R98		M. RESISTOR CH 1/16W 150	1	C3O34-38		C. CAPACITOR CH 25V 0. 1U	15	
R99		M. RESISTOR CH 1/16W 10K	1	G3040, 41	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1	<u> </u>
R101		M. RESISTOR CH 1/16W 10K		03042	ECEVOJN2200	E. CAPACITOR CH6. 3V 22U	₽!	
R102	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	1	03043	ECST1CX156Z	T. CAPACITOR CH 16V 15U	-	
R103	VRE0071E822	M. RESISTOR CH 1/16W 8. 2K	1	03044	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	H	
R104	VRE0071E103	M. RESISTOR CH 1/16W 10K	1	03045	ECST1CX156Z	T. CAPACITOR CH 16V 15U	2	
R105	VRE0071E122	M. RESISTOR CH 1/16W 1.2K	!	C3046, 47		C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 2P	H	3
R106	VRE0071E102	M. RESISTOR CH 1/16W 1K		03048		C. CAPACITOR CH 50V 2P C. CAPACITOR CH 25V 0.1U	Η;	
R107	VRE0071E621	M. RESISTOR CH 1/16W 620		C3049 C3051-53		C. CAPACITOR CH 25V 0. 1U	1	-
R108-10	VRE0071E103	M. RESISTOR CH 1/16W 10K	3	C3051-33		C. CAPACITOR CH 50V 22P	1	
R112	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	G3055		C. CAPACITOR CH 50V 27P	H	
R113	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K M. RESISTOR CH 1/16W 0	7	C3056		C. CAPACITOR CH 50V 68P	1	
R117-23	ERJ3GEY0R00		1	G3060		C. CAPACITOR CH 50V 22P	+	1
R124	VRE0071E104	M. RESISTOR CH 1/16W 100K	1	G3201		C. CAPACITOR CH 50V 100P	1	
R125	VRE0071E222		2	03202		C. CAPACITOR CH 50V 10P		
R136, 37	VRE0071E101	COIL 100	1	G3203		C. CAPACITOR CH 25V 0. 1U		
R138	VLP0352 ERJ6GEY0R00		2	03204, 05		T. CAPACITOR CH 16V 2. 2U	2	
R147, 48 R174	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	G3206, 07	ECST1AY106Z	T. CAPACITOR CH 10V 10U	2	
R176	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	G3208, 09		C. CAPACITOR CH 25V O. 1U	2	
R18O	VRE0071E471	M. RESISTOR CH 1/16W 470	1	G3210	ECST1CX156Z	T. CAPACITOR CH 16V 15U	T	
R186	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	G3212	ECST1CX156Z	T. CAPACITOR CH 16V 15U	1	
R188-90	VRE0071E103	M. RESISTOR CH 1/16W 10K	3	C3214		C. CAPACITOR CH 50V 10P	1	
R2O1	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	C3215		C. CAPACITOR CH 50V 56P	1	
R203		M. RESISTOR CH 1/16W 0	1	C3216, 17		C. CAPACITOR CH 25V 0. 1U	2	
R205			1	C3218	ECUX1H050CCV	C. CAPACITOR CH 50V 5P	1	
R207	1		1	G3219-22		C. CAPACITOR CH 25V 0. 1U	4	
R210			1	G3223		C. CAPACITOR CH 50V 4P	1	
R212			1	C3225	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
R213		M. RESISTOR CH 1/16W 15K	1	C3226, 27	ECST1CY225Z	T. CAPACITOR CH 16V 2. 2U	2	
R214		M. RESISTOR CH 1/16W 3.3K	1	C3228	ECEV1CN100Q	E. CAPACITOR CH 16V 10U	1	
R215	VRE0071E101	M. RESISTOR CH 1/16W 100	1	03229, 30	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. III	2	
R216		M. RESISTOR CH 1/16W 10K	1	C3231	ECST1EC106Z	T. CAPACITOR CH 25V 10U	1	
R217	VRE0071E223	M. RESISTOR CH 1/16W 22K	1	03232	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
R218			1	03233	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1	
R219	VRE0071E101	M. RESISTOR CH 1/16W 100	1	C3234-38		C. CAPACITOR CH 25V 0.1U	5	
R220	VRE0071E752	M. RESISTOR CH 1/16W 7.5K	1	C3240, 41	ECST1CX106Z	T. CAPACITOR CH 16V 10U	2	
R22 1	VRE0071E333		1	G3242	ECEVOJN220Q	E. CAPACITOR CH6. 3V 22U	1	
				G3243	ECST1CX156Z	T. CAPACITOR CH 16V 15U	_1	
TG1, G2	EYF6CU	TEST POINT	2	C3244		C. CAPACITOR CH 25V 0.1U	_1	
				C3245	ECST1CX156Z	T. CAPACITOR CH 16V 15U	1	
TP1-P3	EYF6CU	TEST POINT	3	G3246, 47		C. CAPACITOR CH 25V O. IU	2	
				C3248	ECUX1H02OCCV	C. CAPACITOR CH 50V 2P	1	
VR1-R6	VRV0161B501	V. RESISTOR 500	6	C3249		C. CAPACITOR CH 25V 0. 1U	1	
VR7-R9	VRV0161B503	V. RESISTOR 50K	3	C3251-53		C. CAPACITOR CH 25V 0. 1U	3	
VR1 Q-12	VRV0161B202	V. RESISTOR 2K	3	C3254	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1	
VR14	VRV0161B202	V. RESISTOR 2K	1	C3255	-	C. CAPACITOR CH 50V 27P	1	
	T			C3256	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1	
X1	VSX0887	CRYSTAL OSCILLATOR	1	C3260	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1	
	1							

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0.01	D M-	Dank Name & Danamintian	n	Pamanka	Ref. No.	Part No.	Part Name & Description	Ь.	Benerks
Ref. No.	Part No.	Part Name & Description	PC:	Remarks				_	
C3401	ECUX1H1 01JCV	II. CAPACITOR CH 50V 100P	1		103204	NJMO62M	IC	L	1
G3402	ECUX1H1 OODCV	C. CAPACITOR CH 50V 10P	1	11	103205	TC4W53FU	10		t į
		C. CAPACITOR CH 25V 0. 1U	1		103206	AN90B60S	10		1
			⊢-					╌	·
C3404, O5	ECST1CY225Z	T. CAPACITOR CH 16V 2.2U	2		103401	TC4W53FU	IC	L	
G3406, 07	ECST1AY106Z	T. CAPACITOR CH 10V 10U	2		103402	NJM062M	10		1
C3408, O9	ECHY1E1 04ZEV	C. CAPACITOR CH 25V O. 1U	2		103403	MC1495M	10	П	1
		T. CAPACITOR CH 16V 15U	1		103404	NJM062M	IC		1
			٠.					⊢	
03412	ECST1CX156Z	T. CAPACITOR CH 16V 15U	_1		103405	TC4W53FU	10	L	
G3414	ECUX1H1 OODCV	C. CAPACITOR CH 50V 10P	1	11	IC3406	AN90B60S	10	1	1
	ENTYTHE ACTION	C. CAPACITOR CH 50V 56P	1		103601	NJM062M	IC	Г	1
			H÷					1	
		C. CAPACITOR CH 25V 0. 1U	2		103603	NJM064M	IC	⊢	
03418	ECUX1HO50CCV	C. CAPACITOR OH 50V 5P	_ 1		103604, 05	NJ#2904#	IC	1	2
C3419-22	ECUX1E1 04ZEV	C. CAPACITOR CH 25V 0. 1U	4		103606	NJM431U	IC		1
		C. CAPACITOR CH 50V 4P	1		103607	MC74HC4053F	IC .		1
G3423			<u>'</u>					Ь	·
03425	ECUX1E1 04ZFV	C. CAPACITOR CH 25V 0.1U	_ 1		103608	XC62AP3002M	IC	L	1
G3426, 27	ECST1CY225Z	T. CAPACITOR OH 16V 2. 2U	2		IC3609	XC62DN3002M	10	١.	1
	ECEV1CN100Q	E. CAPACITOR CH 16V 10U	1					Г	
			2	I	P1, P2	VJP3125B006	CONNECTOR (MALE) 6P	1	2
			-					Ľ	2
G3431	ECST1EC106Z	T. CAPACITOR OH 25V 10U	_1		P3	VJS3791B045	CONNECTOR (FEMALE)		1{
C3432	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1					ľ	
C3433		C. CAPACITOR OH 50V 33P	1		Q3001	XP6401	TRANSISTOR-RESISTOR	1	1
			H	11				\vdash	·
		C, CAPACITOR CH 25V 0. 1U	5		Q3003	2SD1819A	TRANSISTOR		
C3440, 41	ECST1CX106Z	T. CAPACITOR CH 16V 10U	2		Q3004	XP6534	TRANSISTOR-RESISTOR		11
G3442	ECEVOJN2200	E. CAPACITOR CH6. 3V 22U	1		Q3006	2SA1532-B	TRANSISTOR .	1	1
	ECST1CX156Z	T. CAPACITOR CH 16V 15U	Ť		93007	2SC3930-B	TRANSISTOR	-	
G3443			-					_	
G3444		C. CAPACITOR CH 25V 0. 1U	_1			2SK662-R	TRANSISTOR	Ľ	
C3445	ECST1CX156Z	T. CAPACITOR OH 16V 15U	1	11	Q3010, 11	2SK508-B	TRANSISTOR	1	2
		G. CAPACITOR OH 25V O. 1U	2		03012, 13	2SK662-R	TRANSISTOR	1	2
		C. CAPACITOR OH 50V 2P	H			2SK508-B	TRANSISTOR	1	
C3448			⊢'					-	4
C3449	ECUX1E1 04ZFV	C. CAPACITOR CH 25V 0.1U	_1		Q3016	XP6435	TRANSISTOR-RESISTOR		1
C3451-53	ECUX1E1 04ZFV	C. CAPACITOR OH 25V 0. 1U	3	11	Q3018	2SB1218A	TRANSISTOR	1	1
C3454		C. CAPACITOR CH 50V 22P	1		Q3019	XP1501	TRANSISTOR-RESISTOR	1	
			Η.					-	<u> </u>
C3455		C. CAPACITOR CH 50V 27P	_1		Q3021	2SK662~R	TRANSISTOR		
C3456	ECUX1H680JCV	C. CAPACITOR OH 50V 68P	- 1		Q3022	XP1501	TRANSISTOR-RESISTOR	1	
C3460	ECUX 1H2 20JCV	C. CAPACITOR CH 50V 22P	1		Q3023	2SD1819A	TRANS1STOR	1	
		T. CAPACITOR CH 35V 0. 1U	1		Q3024	2SK662-R	TRANSISTOR	1	
C3601	EGST1VY104Z		H.					_	
C36O2	ECEVOGV101Q	E. CAPACITOR CH 4V 100U	1		Q3025	XP1501	TRANSISTOR-RESISTOR	_ 1	
G3603, 04	ECUX1E1 04ZFV	C. CAPACITOR CH 25V 0. 1U	2		Q3027	2SD1819A	TRANSISTOR	1	1
C3607-14	ECUX1E1 047FV	C. CAPACITOR CH 25V 0. 1U	8		Q3028	2SG3930-B	TRANSISTOR	1	
			Ť		03029			1	
C3615-19		T. CAPACITOR CH 35V 0.1U	ס			2SK662-R	TRANSISTOR		
G3620, 21	ECUX1E1 04ZFV	C. CAPACITOR CH 25V 0. 1U	2		Q3201	XP6401	TRANSISTOR-RESISTOR	_ 1	
C3622	ECST1ED226Z	T. CAPACITOR CH 25V 22U	1		03203	2SD1819A	TRANSISTOR	1	
03623		C. CAPACITOR OH 25V 0. 1U	1		93204	XP6534	TRANSISTOR-RESISTOR	1	
									
03624	ECST1CC336Z	T. CAPACITOR OH 16V 33U	1		Q3206	2SA1532-B	TRANSISTOR	1	
C3625	ECUX1E1 04ZFV	C. CAPACITOR CH 25V 0.1U	1		Q3207	2SC3930-B	TRANSISTOR	1	
C3626	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		03208, 09	2SK662-R	TRANS I STOR	2	
C3627		C. CAPACITOR CH 25V 0. 1U	1			2SK508-B	TRANSISTOR	2	
			<u> </u>						
C3628	ECEV1EN4R7Q	E. CAPACITOR OH 25V 4. 7U	1		Q3212, 13	2SK662-R	TRANSISTOR	2	
03633, 34	ECUX1E1 04ZFV	C. CAPACITOR CH 25V O. 1U	2		Q3214, 15	2SK508-B	TRANSISTOR	2	
C3635	ECST1AX226Z	T. CAPACITOR OH 10V 22U	1		Q3216	XP6435	TRANSISTOR-RESISTOR	1	
		C. CAPACITOR CH 25V 0, 1U	2			2SB1218A			
			_	I			TRANSISTOR	- 1	
C3638	ECST1AX226Z	T. CAPACITOR OH 10V 22U	_1			XP1501	TRANSISTOR-RESISTOR	_1	
				11	Q3221	2SK662-R	TRANSISTOR	1	
D3001-03	MA142K	DIODE	3		Q3222	XP1501	TRANSISTOR-RESISTOR	1	
			3					_	
	MA142K	DIODE		_	Q3223	2SD1819A	TRANSISTOR	1	
D3401-03	MA142K	DIODE	3		Q3224	2SK662-R	TRANSISTOR	1	
03601	MA142K	DIQUE	1		Q3225	XP1501	TRANSISTOR-RESISTOR	1	
D3602-04	MA8024	DIODE	3		Q3227	2SD1819A	TRANSISTOR	1	
20002-04			Ť					_ •	
					Q3228	2SC3930-B	TRANSISTOR	1	
FL3001	VLF1302	FILTER	1		Q3229	2SK662-R	TRANSISTOR	1	
FL3002	VLF1303	FILTER	1		93401	XP6401	TRANSISTOR-RESISTOR	1	
FL3201	VLF1302	FILTER	1		Q3403	2SD1819A	TRANSISTOR	1	
			<u> </u>	-				·	
FL3202	VLF1303	FILTER	1		Q3404	XP6534	TRANSISTOR-RESISTOR	1	
FL3401	VLF1302	FILTER	- 1		Q3406	2SA1532-B	TRANSISTOR	1	
FL3402	VLF1303	FILTER	1		Q3407	2SC3930-B	TRANSISTOR	1	
1 10402	.21 1000		<u> </u>	i }-				-	
						2SK662-R	TRANSISTOR	2	
103001	TC4W53FU	IC	1		Q3410, 11	2SK508-B	TRANSISTOR	2	
103002	NJM062M	IC	1		Q3412, 13	2SK662-R	TRANSISTOR	2	
103003	MC1495M	10	1		03414, 15		TRANSISTOR	2	
				I}-				4	
103004	NJM062M	IC	1		Q3416	XP6435	TRANSISTOR-RESISTOR	1	
103005	TC4W53FU	10	1	II	Q3418	2SB1218A	TRANSISTOR	1	
103006	AN90B6OS	10	1				TRANSISTOR-RESISTOR	1	
								-1	
103201	TC4W53FU	10	_1				TRANSISTOR	_1	
103202	NJM062M	IC	_1		Q3422	XP1501	TRANSISTOR-RESISTOR	1	
103203	MC1495M	IC	1		Q3423	2SD1819A	TRANSISTOR	1	
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			_					_	

Ref. No.	Part No.	Part Name & DescriptionPc	s Remarks	Ref. No.	Part No.	Part Name & Descrip	tionP	cs Remarks
	2SK662-R	TRANSISTOR		R3080	VRE0071E751		750	1
	XP1501	TRANSISTOR-RESISTOR		R3081	VRE0071E562	M. RESISTOR CH 1/16W 5	. 6K	1
Q3427	2SD1819A	TRANSISTOR		R3082	VRE0071E682	NI. RESISTOR CH 1/16W 6	. 8K	1
Q3428	2SC3930-B	TRANSISTOR		R3083	VRE0071E623	M. RESISTOR CH 1/16W	62K	1
93429	2SK662-R	TRANSISTOR	+	R3084	VRE0071E202	M. RESISTOR CH 1/16W	2K	1
Q3601, O2	2SD1819A	TRANSISTOR		R3085	VRE0071E103		10K	1
	2SB956-R	TRANSISTOR		R3086	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1	\rightarrow	1
Q3605	2SD1280-R	TRANSISTOR		R3087	VRE0071E152	1	. 5K	11
20001	ED JOOT VOOG	M. RESISTOR OH 1/16W 3.3K		R3088 R3089	VRE0071E511 ERJ3GEY0R00	M. RESISTOR CH 1/16W	510	1
R3001 R3002, 03		M. RESISTOR OH 1/16W 330	 	R3090	ERJ3GEYJ104	M. RESISTOR OH 1/16W 1		1
R3004	***************************************	M. RESISTOR CH 1/16W 3.9K		R3091	VRE0071E242	M. RESISTOR CH 1/16W 2	_	1
R3005, 06		M. RESISTOR CH 1/16W 330	2	R3092	VRE0071E392	M. RESISTOR CH 1/16W 3	. 9K	1
R3007		M. RESISTOR CH 1/16W 3.9K		R3093	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	1
R3008	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K		R3094	VRE0071E332	M. RESISTOR CH 1/16W 3	. 3K	1
R3009	***************************************	M. RESISTOR CH 1/16W 150		R3096	ERJ3GEYG332	M. RESISTOR CH 1/16W 3		1
R3010		M. RESISTOR CH 1/16W 56K	<u> </u>	R3097	VRE0071E152	M. RESISTOR CH 1/16W 1	-	1
R3011		M. RESISTOR CH 1/16W 2. 2K		R3098	VRE0071E103		1011	1
R3012		M. RESISTOR CH 1/16W 3.6K M. RESISTOR CH 1/16W 22K		R3099 R3100	ERJ3GEYJ102 ERJ3GEYJ103	M. RESISTOR CH 1/16W M. RESISTOR CH 1/16W	1K 10K	1
R3013	VRE0071E223 VRE0071E683	M. RESISTOR CH 1/16W 22K M. RESISTOR CH 1/16W 68K		R3101	ERJ3GEYJ102	M. RESISTOR CH 1/16W		\$
R3014 R3015		M. RESISTOR CH 1/16W 100		R3102	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1
R3016		M. RESISTOR CH 1/16W 1.5K		R3103	ERJ3GEYJ102	M. RESISTOR CH 1/16W		1
R3017		M. RESISTOR CH 1/16W 2.2K		R3104	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1
R3018	VRE0071E102	M. RESISTOR CH 1/16W 1K		R3105	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1
R3019	VRE0071E471	M. RESISTOR CH 1/16W 470		R3107	ERJ3GEY0R00	M. RESISTOR CH 1/16W		1
R3020	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K		R3109	ERJ3GEY0R00	M. RESISTOR CH 1/16W		1
R3021	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		R3111	ERJ3GEYOROO	M. RESISTOR CH 1/16W		1
R3022	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 0		R3112 R3113	VRE0071E752 ERJ3GEYJ224	M. RESISTOR CH 1/16W 7 M. RESISTOR CH 1/16W 2	. 5K 20K	1
R3023	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 2. 2K	+	R3114	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1
R3024 R3025	VRE0071E222 VRE0071E561	M. RESISTOR OH 1/16W 560		R3201	ERJ3GEYG332	M. RESISTOR CH 1/16W 3	-	i
R3026	VRE0071E102	M. RESISTOR CH 1/16W 1K		R3202, 03	VRE0071E331		\rightarrow	2
R3027	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		R3204	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3	. 9K	1
R3028	VRE0071E122	M. RESISTOR CH 1/16W 1.2K		R3205, 06	VRE0071E331	M. RESISTOR CH 1/16W	330	2
R3029	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K		R3207	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3		1
R3030	VRE0071E332	M. RESISTOR CH 1/16W 3.3K	<u>'</u>	R3208	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2	_	1
R3031	VRE0071E432	M. RESISTOR CH 1/16W 4. 3K		R3209	VRE0071E151			1
R3032, 33		M. RESISTOR CH 1/16W 18K M. RESISTOR CH 1/16W 2. 7K	2	R3210 R3211	VRE0071E563 ERJ3GEYJ222		56K . 2K	
R3034 R3035	VRE0071E272 ERJ3GEY0R00	M. RESISTOR CH 1/16W 0		R3212	VRE0071E362		_	1
R3036	VRE0071E362	M. RESISTOR CH 1/16W 3.6K		R3213	VRE0071E223	 	_	1
R3037	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M		R3214	VRE0071E683		68K	1
R3038	VRE0071E334	M. RESISTOR CH 1/16W 330K		R3215	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	1
R3039	VRE0071E332	M. RESISTOR CH 1/16W 3.3K		R3216	ERJ3GEYG152		-	1
R3040	VRE0071E152	M. RESISTOR CH 1/16W 1.5K		R3217	VRE0071E222	M. RESISTOR CH 1/16W 2		1
R3041	VRE0071E561	M. RESISTOR CH 1/16W 560		R3218	VRE0071E102	M. RESISTOR CH 1/16W	_	1
R3042	VRE0071E181	M. RESISTOR CH 1/16W 180 COMB I. R-R 220K		R3219 R3220	VRE0071E471 ERJ3GEYJ104	M. RESISTOR CH 1/16W 1		1
R3043 R3045	EXB24V224JX EXB24V224JX	COMBI.R-R 220K	1	R3221	ERJ3GEYJ103		10K	1
R3047	VRE0071E472	M. RESISTOR CH 1/16W 4. 7K		R3222		M. RESISTOR CH 1/16W		1
R3048	VRE0071E242	M. RESISTOR CH 1/16W 2.4K		R3223	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1
R3049, 50		M. RESISTOR CH 1/16W 2.7K	2	R3224		M. RESISTOR OH 1/16W 2	2K	1
R3051		M. RESISTOR CH 1/16W 6.8K		R3225			560	1
R3052		M. RESISTOR CH 1/16W 1.5K		R3226		M. RESISTOR CH 1/16W	1K	1
R3053		M. RESISTOR CH 1/16W 10K		R3227		M. RESISTOR CH 1/16W M. RESISTOR CH 1/16W 1.		1
R3054		M. RESISTOR CH 1/16W 6.8K M. RESISTOR CH 1/16W 1.2K		R3228 R3229		M. RESISTOR CH 1/16W 1		1
R3055 R3056, 57		M. RESISTOR CH 1/16W 1.2K		R3230		M. RESISTOR OH 1/16W 3		1
R3058, 59		M. RESISTOR CH 1/16W 47K		R3231		M. RESISTOR CH 1/16W 4.		1
R3060		M. RESISTOR CH 1/16W 2.2K		R3232			33K	1
R3061		M. RESISTOR OH 1/16W 10K		R3233	VRE0071E472	M. RESISTOR CH 1/16W 4.	7K	1
R3062	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K		R3234		M. RESISTOR CH 1/16W 2.	7K	1
R3063		M. RESISTOR OH 1/16W 0		R3235		M. RESISTOR CH 1/16W	_	1
R3064		M. RESISTOR CH 1/16W 1K		R3236		M. RESISTOR CH 1/16W 3.		1
R3065		M. RESISTOR CH 1/16W 0		R3237		M. RESISTOR CH 1/16W	1M	1
R3066	ERJ3GEYJ394	M. RESISTOR CH 1/16W 390K		R3238 R3239		M. RESISTOR CH 1/16W 33 M. RESISTOR CH 1/16W 3.	_	1
R3067, 68		M. RESISTOR CH 1/16W 0 : M. RESISTOR CH 1/16W 2.2K		R3239		M. RESISTOR CH 1/16W 1.		1
R3069 R3070	VRE0071E222 EX824V101J	COMB1. R-R 100		R3241				1
R3072	EXB24V101J	COMB1. R-R 100		R3242				1
R3074	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100		R3243			2OK	1
R3075	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		R3245			OK	1
R3076	EXB24V103J	COMBI. R-R 10K		R3247	VRE0071E472	M. RESISTOR CH 1/16W 4.	7K	1
R3078	EXB24V103J	COMB I . R-R 10K		R3248	VRE0071E242	M. RESISTOR CH 1/16W 2.	4K	1
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Ref. No.	Part No.	Part Name & DescriptionPo	s Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
R3249, 50	VRE0071E272		2	R3425	VRE0071E561	M. RESISTOR CH 1/16W 560	1	
	VRE0071E682	M. RESISTOR CH 1/16W 6.8K	1	R3426	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	
R3251			1	R3427	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R3252	ERJ3GEYG152			R3428	VRE0071E122	M. RESISTOR CH 1/16W 1.2K	1	
R3253	VRE0071E103	M. RESISTOR CH 1/16W 1OK	! 				H	
R3254	VRE0071E682	M. HEGTOTOL OIL TO TOU	1	R3429	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	╁╌	
R3255	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	R3430	VRE0071E332	M. RESISTOR CH 1/16W 3.3K	1	
R3256, 57	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2	R3431	VRE0071E432	M. RESISTOR CH 1/16W 4. 3K	Ľ	
R3258, 59	VRE0071E473	M. RESISTOR CH 1/16W 47K	2	R3432, 33	VRE0071E183	M. RESISTOR CH 1/16W 18K	2	
R3260	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	1	R3434	VRE0071E272	M. RESISTOR CH 1/16W 2.7K	_1	(
R3261	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R3435	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R3262	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	4	R3436	VRE0071E362	M. RESISTOR CH 1/16W 3. 6K	Ti	
R3263	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R3437	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R3264	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	R3438	VRE0071E334	M. RESISTOR CH 1/16W 330K	1	
	VRE0071E113	M. RESISTOR CH 1/16W 11K	1	R3439	VRE0071E332	M. RESISTOR OH 1/16W 3.3K	1	
R3265			'	R3440	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	H	1
R3266	ERJ3GEYJ394		2	R3441	VRE0071E561	M. RESISTOR CH 1/16W 560	۲,	
R3267, 68	ERJ3GEY0R00		4				H	
R3269	VRE0071E222	M. RESISTOR CH 1/16W 2.2K		R3442	VRE0071E181		+	
R3270	EXB24V101J	COMBI.R-R 100	1	R3443	EXB24V224JX	COMBI.R-R 220K	Ľ	
R3272	EXB24V101J		1	R3445	EXB24V224JX	COMB1. R-R 220K	Ľ	
R3274	ERJ3GEYJ101		1	R3447	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	\perp	
R3275	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R3448	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	\perp	L
R3276	EXB24V103J	COMB1. R-R 10K	1	R3449, 50	VRE0071E272	M. RESISTOR CH 1/16W 2.7K	12	4
R3278	EXB24V103J	COMBI. R-R 10K	1	R3451	VRE0071E682	M. RESISTOR CH 1/16W 6.8K	\perp	
R3280	VRE0071E751		1	R3452	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	\Box	1
R3281	VRE0071E562		1	R3453	VRE0071E103	M. RESISTOR CH 1/16W 10K	1	
R3282	VRE0071E682	M. RESISTOR CH 1/16W 6.8K	1	R3454	VRE0071E682	M. RESISTOR CH 1/16W 6.8K	[1	
R3283	VRE0071E623	M. RESISTOR CH 1/16W 62K	1	R3455	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R3284	VRE0071E023	M. RESISTOR CH 1/16W 2K	1		ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1 2	
R3284 R3285	VRE0071E103		1	R3458, 59	VRE0071E473	M. RESISTOR CH 1/16W 47K	1 2	
			1	R3460	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	+ 7	
R3286			1	R3461	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	+	
R3287	VRE0071E152	M. RESISTOR CH 1/16W 1.5K					₽;	
R3288	VRE0071E511	M. RESISTOR CH 1/16W 510	1	R3462	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1. 8K	Н;	
R3289	ERJ3GEYOROO	M. REDICION OIL IN TOR	1	R3463	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	₽.	
R3290	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	R3464	VRE0071E102	M. RESISTOR CH 1/16W 1K	Ľ	
R3291	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	1	R3465	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	Ľ	J
R3292	VRE0071E392	M. RESISTOR CH 1/16W 3. 9K	1	R3466	ERJ3GEYJ394	M. RESISTOR CH 1/16W 390K	L	
R3293	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	R3467, 68	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	ł
R3294	VRE0071E332	M. RESISTOR CH 1/16W 3. 3K	1	R3469	VRE0071E222	M. RESISTOR CH 1/16W 2.2K	1	
R3296	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	1	R3470	EXB24V101J	COMB1. R-R 100	1	1
R3297	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	1	R3472	EXB24V101J	COMB1. R-R 100	1	
R3298	VRE0071E103		1	R3474	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R3299	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R3475	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R3300	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R3476	EXB24V103J	COMBI. R-R 10K	1	
	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R3478	EXB24V103J	COMB1. R-R 10K	1	
R3301			1	R3480	VRE0071E751	M. RESISTOR CH 1/16W 750	T _i	
R3302	ERJ3GEYOROO		1	R3481	VRE0071E562	M. RESISTOR CH 1/16W 5. 6K	l i	
R3303	ERJ3GEYJ102		1	R3482	VRE0071E682	M. RESISTOR CH 1/16W 6. 8K	1	<u> </u>
R3304	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K					<u>'</u>	
R3305-07	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	3	R3483	VRE0071E623	M. RESISTOR CH 1/16W 62K	-	
R3309	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R3484	VRE0071E202	M. RESISTOR CH 1/16W 2K	1	
R3311		M. RESISTOR CH 1/16W 0	1	R3485	VRE0071E103	M. RESISTOR CH 1/16W 10K	1	
R3312		M. RESISTOR CH 1/16W 7.5K	1	R3486	ERJ3GEYJ182	# RESISTOR CH 1/16# 1.8K	1	
R3313	ERJ3GEYJ224		1	R3487	 	#. RESISTOR CH 1/16W 1.5K	1	
R3314	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	R3488	VRE0071E511	M. RESISTOR CH 1/16W 510	1	
R3401	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	R3489	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R3402, 03	VRE0071E331	M. RESISTOR CH 1/16W 330	2	R3490	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R3404		M. RESISTOR CH 1/16W 3. 9K	1	R3491	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	1	
R3405, 06			2	R3492	VRE0071E392	M. RESISTOR CH 1/16W 3. 9K	1	
R3407	ERJ3GEYJ392		1	R3493	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R3408	ERJ3GEYJ272		1	R3494		M. RESISTOR CH 1/16W 3.3K	1	
R3409			1	R3496		M. RESISTOR CH 1/16W 3.3K	1	
	VRE0071E151	1	1	R3497		M. RESISTOR CH 1/16W 1.5K	1	
R3410			1	R3498		M. RESISTOR CH 1/16W 10K	1	
R3411			1	R3499	ERJ3GEYJ102		+	
R3412	VRE0071E362	MITTIGE / ET CO. 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1				1	
R3413		M. RESISTOR CH 1/16W 22K		R3500			<u> </u>	ļ————
R3414	VRE0071E683		1	R3501		M. RESISTOR CH 1/16W 1K	1	
R3415			1	R3502		M. RESISTOR CH 1/16W 0	1	
R3416	ERJ3GEYG152		1	R3503		M. RESISTOR CH 1/16W 1K	1	
R3417	VRE0071E222	M. RESISTOR CH 1/16W 2.2K	1	R3504	ERJ3GEYJ103	M. RESISTOR OH 1/16W 10K	1	
R3418	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	R3505	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R3419	VRE0071E471	M. RESISTOR CH 1/16W 470	1	R3507	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R3420		M. RESISTOR CH 1/16W 100K	1	R3509	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R3421			1	R3511		M. RESISTOR CH 1/16W 0	1	
R3422	ERJ3GEYJ102		1	R3512		M. RESISTOR CH 1/16W 7.5K	1	
R3423			1	R3513		M. RESISTOR CH 1/16W 220K	1	
R3424	VRE0071E222	M. RESISTOR CH 1/16W 2. 2K	1	R3514		M. RESISTOR CH 1/16W 0	i i	
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	<u> </u>	11_					_	

	5							AJ-D800
Ref. No.	Part No.	Part Name & Description	Pcs Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3601		M. RESISTOR CH 1/16W 8.2K	1	C2O2	ECA1CFQ121	E. CAPACITOR 16V 120U	1	
R3602	VRE0071E333	M. RESISTOR CH 1/16W 33K	1	C203	EGAOJFQ101	E. CAPACITOR 6. 3V 100U	1	
R3603		M. RESISTOR CH 1/16W 150	1	C204-10	ECUX1E104ZFV		7	
		M. RESISTOR CH 1/16W 18K	4	0211	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	1	
		M. RESISTOR CH 1/16W 27K	1	C212		C. CAPACITOR CH 25V 0. 1U	1	<u> </u>
		M. RESISTOR OH 1/16W 12K	4	0213	ECAOJFQ101	E. CAPACITOR 6. 3V 100U	!	
		M. RESISTOR CH 1/16W 39K M. RESISTOR CH 1/16W 5.6K	1	C214 C215	ECA1CFQ121	C. CAPACITOR CH 25V 0. 1U E. CAPACITOR 16V 120U	+	
		M. RESISTOR OH 1/16W 820	1	C218		C. CAPACITOR CH 25V O. 1U	<u>'</u>	
		M. RESISTOR OH 1/16W 10K	1	C219	ECST1CY105Z	T. CAPACITOR CH 16V 1U	1	
R3621		M. RESISTOR CH 1/16W 150	1 .	C220, 21		C. CAPACITOR CH 50V 56P	2	
R3622		M. RESISTOR CH 1/16W 330	1	C222, 23	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	2	
R3623	VRE0071E200	M. RESISTOR CH 1/16W 20	1	C224	VCK0134K104	C. CAPACITOR 0. 1U	1	
R3624, 25	VRE0071E301	M. RESISTOR CH 1/16W 300	2	C301	ECEA1HGE220	E. CAPACITOR 50V 22U	1	
R3626	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	C302	ECA1CFQ121	E. CAPACITOR 16V 120U	1	
R3627		M. RESISTOR CH 1/16W 8.2K	1	C303	ECAOJFQ101	E. CAPACITOR 6.3V 100U	_1	
R3628	ERJ3GEYJ333	M. RESISTOR OH 1/16W 33K	1	C304-10		C. CAPACITOR CH 25V 0. 1U	7	
R3629	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	0311	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	ᆜ	
R3630		M. RESISTOR CH 1/16W 15K M. RESISTOR CH 1/16W 39K	1	C312, 13	VCK0134K104	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR 0. 1U	2	
R3631 R3632	VRE0071E393 ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	0314	70101341104	O. OAFAOTTON C. 10	 '	
R3633		M. RESISTOR CH 1/16W 18K	1	D101	MA142K	DIODE	1	
R3634	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	D201	MA142K	DIODE	Ť	
R3635		M. RESISTOR CH 1/16W 100	1	D202	MA704A	DIODE	1	
R3636	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	D203	MA159	DIODE	1	
R3637, 38	VRE0071E393	M. RESISTOR CH 1/16W 39K	2	D301	MA142K	DIODE	1	
R3639		M. RESISTOR CH 1/16W 1K	1				L	
R3640		M. RESISTOR CH 1/16W 0	1	10101	UPD16510GR	IC	1	
R3641	VRE0071E153	M. RESISTOR CH 1/16W 15K	1	10201	UPD16510GR	IC	1	
R3642		M. RESISTOR OH 1/16W 30K	1	10204	74ACO4SJ UPD16510GR	IC IC	1	
R3643		M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 0	1	16301	UPDIBSIUGK	IC		
R3644 R3645		M. RESISTOR OH 1/16W 10K	1	L201, 02	VLP0352	COIL	2	
R3646	EXB24V103J	COMB I. R-R 10K	1	1201,02	10000	0072		
R3647		M. RESISTOR CH 1/16W 10K	1	P201, 02	VJS2907D018	CONNECTOR (FEMALE)	2	
R3648		M. RESISTOR OH 1/16W 91K	1					
R3649	VRE0071E122	M. RESISTOR CH 1/16W 1.2K	1	Q101	2SC3356-B	TRANSISTOR	1-	
R3650		M. RESISTOR CH 1/16W 5.6K	1	Q201	2SC3356-B	TRANSISTOR	1	
R3651		M. RESISTOR CH 1/16W 1M	1	Q202	2SA1462	TRANSISTOR	1	
R3652		M. RESISTOR CH 1/16W 220K	1	Q203	2803735	TRANSISTOR	1	
R3653-56		M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 10K	4	Q301	2SC3356-B	TRANSISTOR	1	<u> </u>
R3657 R3658	ERJ3GEYJ103 ERJ3GEY0R00	M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 0	1	R101	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R3660	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	R102		M. RESISTOR CH 1/16W 100	1	
	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2	R103		M. RESISTOR CH 1/16W 0	1	
				R104		M. RESISTOR CH 1/16W 10	1	
				R105	VRE0071E223	M. RESISTOR CH 1/16W 22K	1	
TG3001 -03	EYF6CU	TEST POINT	3	R106	VRE0071E103	M. RESISTOR CH 1/16W 10K	-1	
TP3202, 03	EYF6CU	TEST POINT	2	R107		M. RESISTOR CH 1/16W 68K	_1	
TP3402, 03	EYF6CU	TEST POINT	2	R201		M. RESISTOR CH 1/16W 1M	1	
		W DEGLATOR		R202		M. RESISTOR CH 1/16W 100	4	
VR3001		V. RESISTOR 50K V. RESISTOR 2K	1	R203 R204		M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 10	1	
VR3002 VR3003	VRV0113B202 VRV0113B203	V. RESISTOR 2K		R204		M. RESISTOR CH 1/16W 22K	-	
VR3003 VR3004		V. RESISTOR 100K	1	R206		M. RESISTOR CH 1/16W 10K	긤	
VR3201		V. RESISTOR 50K	1	R207		M. RESISTOR CH 1/16W 88K	1	
VR3202	VRV0113B303	V. RESISTOR 2K	1	R212		M. RESISTOR CH 1/16W 10	1	
VR3204		V. RESISTOR 100K	1	R214		M. RESISTOR CH 1/16W 100K	1	
VR3401	VRV0113B503	V. RESISTOR 50K	1	R215		M. RESISTOR CH 1/16W 22K	1	
VR3402	VRV0113B202	V. RESISTOR 2K	1	R216		M. RESISTOR CH 1/16W 10K	_1	
VR3403		V. RESISTOR 20K	1	R217		M. RESISTOR CH 1/16W 10	1	
VR340-4	VRV0113B104	V. RESISTOR 100K	1	R221		M. RESISTOR CH 1/16W 10	4	
				R225		M. RESISTOR CH 1/16W 10	4	
B 54	VED003051	CCD ANGLE P. C. BOARD	1 (RTL)	R229 R233		M. RESISTOR CH 1/16W 10 M. RESISTOR CH 1/16W 10	-#	
■ E4	VEP20735A	ATTULE F. V. DUARD	, (1) 14	R237		M. RESISTOR CH 1/16W 10	+	
				R301		M. RESISTOR CH 1/16W 1M	1	
G101	ECEA1HGE220	E. CAPACITOR 50V 22U	1	R302		M. RESISTOR CH 1/16W 100	1	
C102		E. CAPACITOR 16V 120U	1	R303		M. RESISTOR CH 1/16W 0	市	
C103		E. CAPACITOR 6. 3V 100U	1	R304		M. RESISTOR CH 1/16W 10	1	
0104-10		C. CAPACITOR CH 25V 0. 1U	7	R305	VRE0071E223	M. RESISTOR CH 1/16W 22K	1	
C111		C. CAPACITOR CH 50V 1000P	1	R306		M. RESISTOR OH 1/16W 10K	1	
C112, 13	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	2	R307	VRE0071E683	M. RESISTOR CH 1/16W 68K	1	
C114	VCK0134K104	C. CAPACITOR 0. 1U	1				_[
C201	ECEA1HGE220	E. CAPACITOR 50V 22U	1				4	
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			 				-+	

VEPOOW29A VEPOOY28A VEP26074D

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks Re	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
	VEPOOW29	FLEXIBLE P. C. BOARD	-	(RTL)					
■ E5	VEP-UUW 28	FELAIDLE F. U. SUARU	Ė		3500, 01	MA142K	DIODE	2	
			L					H	
■ E6	VEPOOY 28A	MOTHER P. C. BOARD	1			MN18885	10	H	
			L			VS12480B	10	H	
						VS12480B	10	H	
		C. CAPACITOR CH 50V 1000P	12			K6256CLG7L	10	!	
C9614, 15	ECUX1H102JCV	C. CAPACITOR CH 50V 1000P	2			STK12C68S45	10	1	
			<u> </u>			VS12481B	16	_1	
L9601-25	VLF1315A102	FILTER	25			VS12481B	16	_1	
L9626	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1			NJM064M	10		
L9627	VLF1315A102	FILTER	1			UPD71055GB	IC	_!	
L9628	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1_1		C3508	MN12821R	10	_!	
L9629-31	VLP0147	COIL	3			MC14053BF	IC		
L9632-37	VLF1315A102	FILTER	6			NJMO64M	10	_1	
L9638	VLP0147	COIL	1			NJM064M	16	_!	
			1			74AC138SJ	10	1	
P9601	VJP3808E100	CONNECTOR (MALE)	1			74AC11SJ	IC	_1	
P9602-06	VJS3657	CONNECTOR (FEMALE)	5			74ACOOSJ	IG	_!	
P9607	VJP3125B006	CONNECTOR (MALE) 6P	1			74AC04SJ	10	-	
P9608	VJP3125B010	CONNECTOR (MALE)	1			XC62AP5002P	10	Ľ	
P9610	VJP3125B014	CONNECTOR (MALE)	\perp^1			MB88344PFV	10	1	
P9611	VJP3125B010	CONNECTOR (MALE)	[-			MC74HC4052F	10	3	
P9612	VJP3518B002	CONNECTOR (MALE)	1			MB88351PF	10	1	
P9613	VJP3125B005	CONNECTOR (MALE) 5P	1			MC14053BF	10	-	
P9614	VJP3808E140	CONNECTOR (MALE)	1			NJM2904N	10	H	· · · · · · · · · · · · · · · · · · ·
P9617	VJP3125B012	CONNECTOR (MALE)	\vdash			74AC138SJ	IC	H	
P9619	VJS3791B045	CONNECTOR (FEMALE)	+!			MC14053BF IDT71321A55	10	H	
P9620	VJP31258006	CONNECTOR (MALE) 6P	╁.		C3530 C3531	MC74HC244AF	10	-	
P9621	VJP31258004	CONNECTOR (MALE)	H	<u> </u>			IG	H	
P9622	VJP3125B003	CONNECTOR (MALE) 3P	┼'			MC14053BF MC74HC244AF	IC	-	
2005	ED IDOLANOS	M. RESISTOR CH 1/16W 0	١.		C3701	NJM2904M	10	1	
R9603	ERJ3GEYOROO		+		~701	11/22.00 TB		Η,	
R9605-08	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	+	1 15	F3502	VJF1047	IC SOCKET	١,	
	-		+			VJF1047	IC SOCKET	H	
	VED260740	CAMERA SYSCON P. C. BOARD	۲,	(RTL)	. 5000	.51 14-17		H.	
■ E7	VEP26074D	OFFICER STOURT F. U. BUARD	+		S3502	VJS3427X032	CONNECTOR (FEMALE)	\vdash_1	
	-		\vdash			VJS3427X032	CONNECTOR (FEMALE)	H	
02500	ECHY1E1047EV	C. CAPACITOR CH 25V 0. 1U	۲,	 `				r	
C3500 C3502, O3		C. CAPACITOR CH 25V 0. 1U	١,	- ₁₃	3500	VLQ0319K101	COIL 100UH	1	
03502, 03		E. CAPACITOR CH 50V 1U	ti			VLQ0319K100	COIL 10UH	1	
03504		C. CAPACITOR CH 50V 33P	,			VLQ0319K101	COIL 100UH	1	
03505, 06		C. CAPACITOR CH 25V 0. 1U	† i						
C3507	ECEV1HVOR1Q	E. CAPACITOR CH 50V 0. 1U	ti	P3	3501	VJP3657	CONNECTOR (MALE)	1	1
C3511		C. CAPACITOR CH 25V 0. 1U	Ti		3502	VJP3506A100	CONNECTOR (MALE)	1	
03511	ECST1VY224Z	T. CAPACITOR CH 35V 0. 22U	Ti			VJP3358C012	CONNECTOR (MALE)	1	
C3512		C. CAPACITOR CH 25V 0. 1U	Ti						
C3514	ECST1VY224Z	T. CAPACITOR CH 35V 0. 22U	ī	Q3	3500-02	2SA1532-B	TRANSISTOR	3	
C3515-19		C. CAPACITOR CH 25V O. IU	5	93	3503-05	2SD1819A	TRANSISTOR	3	
G3520		E. CAPACITOR CH6. 3V 100U	ī						
03521		C. CAPACITOR CH 25V 0. 1U	1	GR.	R3500-02	UN5213	TRANSISTOR-RESISTOR	3	
03523-28		C. CAPACITOR CH 25V 0. 1U	6	GR GR	R3503	UN5113	TRANSISTOR-RESISTOR	1	
C3531		C. CAPACITOR CH 25V 0. 1U	1						
03533		C. CAPACITOR CH 50V 150P	1	R3	3500	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
G3534		C. CAPACITOR CH 25V 0. 1U	1	R3	3501	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
C3535	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	R3	3503, 04	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	
C3536-40	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	5	R3	3505	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
C3558-60	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	3	R3	3506	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
C3561	ECEV1CV220Q	E. CAPACITOR CH 16V 22U		R3	3507	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
C3562	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U					N. RESISTOR CH 1/16W 220	_1	
C3564	ECEV1EN3R3Q	E. CAPACITOR CH 25V 3. 3U	Li				M. RESISTOR CH 1/16W 47K	1	
C3565, 66	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	2			ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
C3567, 68		E. CAPACITOR CH6, 3V 33U	2				M. RESISTOR CH 1/16W 47K	5	
C3571-76	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	6				M. RESISTOR CH 1/16W 10K	6	
03577-79	ECST1VY224Z	T. CAPACITOR CH 35V 0. 22U	3				M. RESISTOR CH 1/16W 100	1	
C3580-82	ECEVOJN100Q	E. CAPACITOR CH6. 3V 10U	3				M. RESISTOR CH 1/16W 100	3	
		T. CAPACITOR CH 35V 0. 47U	6				M. RESISTOR CH 1/16W 47K	1	
C3583-88		C. CAPACITOR CH 25V O. 1U	3				M. RESISTOR CH 1/16W 100	1	
	ECUX1E104ZFV	I	3	R3			M. RESISTOR CH 1/16W 36K	2	
C3583-88		E. GAPACITOR CH 16V 10U	-		3537	VRE0071E683	M. RESISTOR CH 1/16W 68K	- 1	I
C3583-88 C3593-95	ECEVICV1000 ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1					_	
C3583-88 C3593-95 C3596-98	ECEVICV1000 ECUX1E104ZFV		1	R3	3538	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
C3583-88 C3593-95 C3596-98 C3599	ECEV1CV1000 ECUX1E104ZFV ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U	1 3	R3	3538 3539	ERJ3GEYJ473 ERJ3GEYJ101	M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 100	1	
C3583-88 C3593-95 C3596-98 C3599 C3610	ECEV1CV1000 ECUX1E104ZFV ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U C. CAPACITOR CH 25V O. 1U C. CAPACITOR CH 25V O. 1U E. CAPACITOR 6. 3V 150U	1 1 3	R3 R3	3538 3539 3540	ERJ3GEYJ473 ERJ3GEYJ101 ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 47K	1	
C3583-88 C3593-95 C3596-98 C3599 C3610 C3701-03	ECEVICV1000 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U	+	R3 R3	3538 3539 3540	ERJ3GEYJ473 ERJ3GEYJ101 ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 100		

	/EP232/5	^							AU-DOUGE
DECEMBER DECEMBER	Ref No	Part No.	Part Name & Description	cs Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
BASE				1	G3017-20	EGUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	
BODD BURNATHON Registro of 17/08 A 1 1 1 1 1 1 1 1 1			M. RESISTOR CH 1/16W 0	1	C3022	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U		
BURNET AND BURNET AND BURNET OF 17 / 100 C C C C C C C C C	R3547-49	RJ3GEYJ473	M. RESISTOR CH 1/16W 47K	3	C3023	ECEVOGV470Q	E. CAPACITOR CH 4V 47U	1	
Section Company Comp	R3550			1				+	\
Section Sect	R3551			1	1			1.	1
SESSES MEDITIFIED R. SESTED ON 1/100 15 1 1 1 1 1 1 1 1	R3553, 54			2	1			1	<u> </u>
MERCENTINES MERCENTINES MERCENT OF 1/19 156 1				1	-			-	
BASSES BASSET BASSET CONTINUE CONT								+:	· · · · · · · · · · · · · · · · · · ·
Measure Meas				1	1			₩.	; •
SESSED SESSED DESCRIPTION PROPERTY OF 1/190 CO.				11.	1			+	1
SCHOOL S				1				+ ;	
BESTITE DIRECTORY DIRECTORY C. RESISTER ON 1 / 1/09 K. K.				1	ł I				<u> </u>
BASSPY BASSPY DECEMBER OF 17/09 K 1				3	1			+	2
BASSING BASSINGTON RESISTED IN THE STATE OF 1/100 X 1 1 1 1 1 1 1 1 1				1	1			+	
BASSED BASSETY BASSET				1				T	
BASISH-1902 BRISHING OF 1/190 K 1				1 .	C3063	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	
BASSE BASSETTON RESISTOR ON 1/198 DO 1				1	03065	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U		
STATE STAT			M. RESISTOR CH 1/16W 47K	3	C3066	ECEVOGV470Q	E. CAPACITOR CH 4V 47U		
RESPICE REPURE NEW RESISTED ON 17 / 100 600 1 1 1 1 1 1 1 1 1		ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	C3067, 68			1	<u> </u>
EXCESSION TRANSPORTED MEST STOR OF 17 / 10 5	R3589			1				+	
BASE BASE				4	1			13	
ENGINEERING NET MEST STOK OF I / I / I I I I I I I I					-			1	
ROSSIDE CRUMENTURES RESISTOR OF LIVER ROCK				1	4			1	
RESIDENCY March March Sept State On 11/100 Sept				1				+	7
RADIO RADIOTY JULY RESTOR OF 11/198 SEX					11			1	
BADDIT CRUSSEY-MARK BLESS ISTING OF 17/08 BOX 1						 		+	
RADIOPY MASS RESISTING IN 1/108 820 1					1			T,	3
ROBOD SAUDETURES B. RESISTOR OF 17/08 800, 1				1	-		 	T	
ROBORD ROBORTISTS ROBUSTON (11/1981 5.96 k)				1	1		 	1	
RABDO RABDEY-1932 RABBI STOR ON 1/196 15K 1				1		ECEVOGV470Q	E. CAPACITOR CH 4V 47U	1	
ROBORD RAJBERT-1958 RASES 19700 (H 1/10m 105 1 1 1 1 1 1 1 1 1				1	03201	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1	
ROBOR BLUSGRY-6962 R. RESISTOR OH 1/198 5.8K 1			M. RESISTOR CH 1/16W 5.6K	1	C3202	ECUX1E104ZFV	G. CAPACITOR CH 25V 0.1U	1	1
ROBOD DUSSETVIESS RESISTOR ON 1/108 15K 1	R3607	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	C3203	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	\perp 1	1
R0810-13 R08071E103 R.RESISTOR CHI 1/10W 10K 4	R3608	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	C3204-08			1:	i
R3614-16 WEGOTIESS M. RESISTOR CH I/16W 64X 3 C321-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 5 R3617-19 WEGOTIESS M. RESISTOR CH 1/16W 15X 3 C321-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C321-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C321-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C322-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C322-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C322-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C322-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C322-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C322-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C322-16 EQUILETOACPY C. CAPACITOR CH 25Y 0. 1U 1 C323-16 EQUILETOACPY C. CAPACITOR CH 25Y 0.	R3609	ERJ3GEYJ153		1	1				
R3817-19 WREDOTIE153 RESISTOR CH 1/169 15K 3 C3217 ECKNON/3300 E. APACITOR CHG. 39 33U 1	R3610-13			4	1			1	
R0920-22 BRJGGF1/272 M RESISTOR CH 1/169 2.7K 3 R0925 VRCOTIFE272 M RESISTOR CH 1/169 2.7K 1 R0925 VRCOTIFE272 M RESISTOR CH 1/169 2.7K 1 R0926-26 MCOTIFE372 M RESISTOR CH 1/169 2.7K 1 R0926-21 BRJGGF1/272 M RESISTOR CH 1/169 3.3K 3 R0926-21 BRJGGF1/272 M RESISTOR CH 1/169 4.7K 3 R0926-23 MCROTIFE372 M RESISTOR CH 1/169 4.7K 3 R0926-24 BRJGGF1/272 M RESISTOR CH 1/169 4.7K 1 R0926-24 BRJGGF1/272 M RESISTOR CH 1/169 4.7K 1 R0926-24 BRJGGF1/272 M RESISTOR CH 1/169 4.7K 1 R0926-24 BRJGGF1/272 M RESISTOR CH 1/169 4.7K 1 R0926-24 BRJGGF1/272 M R0927-100 M R0					1			H:	
R9828 NRECOTTIES27 R. RESISTOR CH 1/108 2.7K 1								1	/
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R3629-31 BRJ36EYJ684 ML RESISTOR OH 1/16W 680K 3 G330-04 C0UXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 4 R6862-34 NECOTIEF2 ML RESISTOR OH 1/16W 47K 3 G330-07 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 5 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 5 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 5 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 5 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 5 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 5 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 5 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G331-16 EQUIXTEIOAEPV 0. CAPACITOR OH 25V 0.1U 1 1 G332-16 EQUIXTEIOAEPV								H	
R9692-94 RECOTIE73 M. RESISTOR CH 1/16W 47K 3 R8693, 36 RECOTIE77 M. RESISTOR CH 1/16W 47K 1 R8693, 36 RECOTIE77 M. RESISTOR CH 1/16W 47K 1 R8693 MECOTIE77 M. RESISTOR CH 1/16W 47K 1 R8693 MECOTIE77 M. RESISTOR CH 1/16W 1/					{ 			1	
R3835 38 WE0071E272 B. RESISTOR CH 1/16W 47K 1				3	03305-07	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	3	
R3837 R3636-V4073 R3615TOR CH 1/16W 47K 1 C3316-18 EQUILITION CONTROL CONTRO				2	03311-15	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U		
R3851 VREDOTIESS II. RESISTOR CH 1/16W 5.8K 1 1			M. RESISTOR CH 1/16W 47K	1	C3316-18	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	3	
R3652 WREODYTE123 M. RESISTOR CH 1/16W 12K 1	R3638-40	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	3	C3319		C. CAPACITOR CH 25V 0.1U	1	1
R3701 NECOTIE103 N. RESISTOR CH 1/16N 10K 1 R3702 NECOTIE303 N. RESISTOR CH 1/16N 30K 1 R3703 NECOTIE303 N. RESISTOR CH 1/16N 30K 1 R3703 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3703 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3703 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3704 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3705 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3706 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3706 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3707 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3708 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3709 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3709 NECOTIE303 N. RESISTOR CH 1/16N 10K 1 R3327 NECOTIE304 N. RESISTOR CH 1/16N 10K 1 R3328 NECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 R3327 NECOTIE304 N. RESISTOR CH 1/16N 10K 1 R3328 NECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 R3329 NECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 R33201 NSX0824 ORYSTAL OSCILLATOR 1 R33201 NSX	R3651	VRE0071E682		1				L	
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C3328 ECUX1E104ZFV C. CAPACITOR CH 25V O. 1U 1								₽!	
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G3002 EGUXTET04ZFV C. CAPACITOR CH 25V 0. 1U 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	03001	ECEVO IVIOIO	F CAPACITOR CHB 3V 100H	1				-	
G3003 ECEVOGV470Q E. CAPACITOR CH 4V 47U 1								-	
G3004 EQUXIE1042FV C. CAPACITOR CH 25V O. 1U 1 IG3203 XC62AP5002P IC 1 IG3206				1	-	<u> </u>		-	
C3006-11 ECUX1E104ZFV C. CAPACITOR CH 25V 0. IU 6 IG3204 ADV7122KST50 IC 1 C3013 ECEVOGV4709 E. CAPACITOR CH 4V 47U 1 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				1	103203	XC62AP5002P	IC	1	
C3013 ECEVOGV470Q E. CAPACITOR CH 4V 47U 1 IG3205, 06 AD589JR IC 2				6	103204	ADV7122KST50			
G3014, 15 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 2 IC3301 K6256CLQ7L IC 1				1	103205, 06	AD589JR			
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Formation Part No.	EP23276	D								_	
Company Comp		- 11	D . N . D	١.,	Damanka	Dof No	Part No	Part Nama & Dage	rintion	be.	Remarks
Miles Mile	Ref. No.	Part No.	Part Name & Description	'CS	Kemarks		-				
Memory M	1C3302	MC74HC245AF	IC	1		C3006, 07			0. 10	1 2	
Description Description		#R86023PF	IC	1		¢3008	ECUX1H121JCV	C. CAPACITOR CH 50V	120P	1	
				1		C3009	ECUX1H12OJCV	C. CAPACITOR CH 50V	12P	1	
Control Cont										1	
	1C3305	MC74HC245AF	IC	_11						₩:	
	103306	MB86023PF	ic l	-1		C3011	ECUX1H15OJCV	C. CAPACITOR CH 50V	15P	1	
Company Comp		VC82AP5002P	10	1		C3013	ECEV1HV010Q	E. CAPACITOR CH 50V	10	1	J.
1,000 1,000 1,000 1,000 1 1,000 1 1,000 1 1,000 1 1,000 1,00				-		C3014	ECUX1E1047EV	C CAPACITOR OH 25V	0.10	1	
MODIFICATION 100000 1	103308	XC62DN5UU2P	10	-4						+;	
SALIMOTRONO RESISTED OF 1/PW 0 1						C3016				₽'	
BARDON CARDINITION CARDI	1 2001	VI 00319K101	COIL 100UH	1		C3017	ECUX1H12OJCV	C. CAPACITOR CH 50V	12P	1	
CODE CODE				-1		C3018	EGUX1H101JCV	C. CAPACITOR CH 50V	100P	1	
Color Colo										١,	
	L3003	VLQ0319K101	COIL 1000H	_1						1	
MINISTERNATION COMMERTING FRANCE 1	L3201, 02	VLQ0319K101	COIL 100UH	2		C3021	ECEV1HV010Q	E. CAPACITOR CH 50V	10	1	·
PRINCE CAMPAGE CAMPA						C3022, 23	ECUX1H22OJCV	C. CAPACITOR CH 50V	22P	2	2
COMMON CAMPORTON OF SOME 1			ANNUESTED (FEMALE)						0.0111	1	
	P3001			_'						+-:	
BESTITE REPORT TANKETSTOR 1 1 1 1 1 1 1 1 1	P3002	VJP3658D030	CONNECTOR (MALE)	1		C3025			221	₽'	
MORNING MORN						C3026	ECUX1H060DCV	C. CAPACITOR CH 50V	6P		III
2007191 2007	00001	00D1010A	TDANGISTOD	1		G3027	ECUX1H103KBV	C. CAPACITOR CH 50V	0. O1U	1	
200204_00 20011194									1500	1	
Common	Q3202	2SD1819A								+:	
MINESTER MINESTER	Q3203	2SB1218A	TRANSISTOR	1		G3029	ECUX1H561JCV	C. CAPACITOR ON 50V	56UP	1	
190001	03204 05	2SD1819A	TRANSISTOR	2		C3030-32	ECEVOJV330Q	E. CAPACITOR CH6. 3V	330	3	i
				H		C3033		C. CAPACITOR CH 25V	O. 1U	1	
MINISTRATE MIN				-						+ :	1
DODGE COLUMN DOCUMENT DOC	R3001	VRE0071E151		1						+-'	
BRIDGE-1702 BRESISTER OF 171/19 1	R3002	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	_ 1		C3O35	ECUX1E104ZFV			\sqcup	<u> </u>
March Marc				3		C3036	ECHU1C473JB	P. CAAPCITOR 16V	0. 047U	Li	J <u>. </u>
BOSSIGN BOSS				-	i					1	
Second-77 Second-72 Sec				-	ļ					+:	1
March Marc	R3042~44	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	3						₽.	
SCHOOL COMPANY COMPA	R3045-47	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	3		C3039	ECUX1E104ZFV	C. CAPACITOR CH 25V	0. 10	\perp	<u> </u>
20066 20.30€**CROOL 20.				15		C3040	ECEVOJV3300	E. CAPACITOR CH6. 3V	33U	T	
Company Comp										۲.	,†
Second Schools Second				1						Η'	
S0072-75 SRJUBEYMOD SESTITUR OF 17/08 0 1 1 1 1 1 1 1 1 1	R3068, 69	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2		03042	ECHU1C473JB	P. CAAPCITOR 16V	0. 0470	L	1
BR0712-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	92071 72	ER.13GEY.1473	M RESISTOR CH 1/16W 47K	2		C3043	ECUX1H103KBV	C. CAPACITOR CH 50V	0. 018	1	1
STATE STANLEY FOR COME STATE OF 1/100 0 1				2		03044	EGUX1E104ZEV	C CAPACITOR CH 25V	0.10	1	
SOLICE SPANSEPTOROD RESISTOR OF 1/198 0 1	R3073-75			-						1	
1006-07 SCHOOLEY LATE	R3102	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1						₩.	
BR3109-70 ERASIEVATATA B. RESISTOR OH 1/196 47K 2 2 2 2 2 2 2 2 2	R3104	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	1	Ç3046	ECUX1H101JCV	C. CAPACITOR CH 50V	100P	\perp 1	1
RSIOUD TO ERASSETVATTO			M RESISTOR ON 1/16M 47K	3		C3047	ECUX1H02OCCV	C. CAPACITOR OH 50V	2P	Γi	
R3112 PR.JOSEPURDO B. RESISTOR OH I/108 0 1 1 C0006 EQUILHOSOLOV C. CAPACITOR OH 50V 69P 1 1 R3114 PR.JOSEPURDO B. RESISTOR OH I/108 0 1 1 C00051 EQUILHOSOLOV C. CAPACITOR OH 50V 69P 1 1 R3114 PR.JOSEPURDO B. RESISTOR OH I/108 0 1 1 C00051 EQUILHOSOLOV C. CAPACITOR OH 50V 33P 1 1 R3114 PR.JOSEPURDO B. RESISTOR OH I/108 0 1 1 C00051 EQUILHOSOLOV C. CAPACITOR OH 50V 33P 1 1 PR.JOSEPURDO B. RESISTOR OH I/108 0 1 1 C00051 EQUILHOSOLOV C. CAPACITOR OH 50V 33P 1 1 PR.JOSEPURDO B. RESISTOR OH I/108 0 1 C00052 EQUILHOSOLOV C. CAPACITOR OH 50V 33P 1 1 PR.JOSEPURDO B. RESISTOR OH I/108 0 0 1 C00052 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 0 0 1 C00053 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 0 50 1 C00055 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 76 3 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 76 3 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 76 3 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 76 2 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 76 2 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 76 2 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 PR.JOSEPURDO B. RESISTOR OH I/108 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 P.Z. 1 P.Z. 1 C00056 EQUILHOSOLOV C. CAPACITOR OH 50V 0 10 P.Z. 1 P.Z. 1				-					18P	Ti	
R3114 R-JUSEY/ROO R-RESISTOR ON 1/10m 0 1 CODE COUNTRIONOV C.APACITOR ON 50V 39P 1	R3109, 10									+:	
R3118 BUJSSE/TOROD & RESISTOR ON 1/16W 0 1 1	R3112	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	_1		Ç3049			98P	₽.	
R3116	P3114	FRJ3GEYOROO	M. RESISTOR CH 1/16W 0	- 1		C3050	ECUX1H090DCV	C. CAPACITOR CH 50V	9P	1	J Company
R3119—28 BUJGSEYCH73				1		03051	ECUX1H33OJCV	C. CAPACITOR CH 50V	33P	П	
R3141 ENJSECTORD R. RESISTOR ON I/TOWN 0 1				-						1	
R3201-25 CR264V10TJ COMPAIR R. COMPA	R3119-28	ERJ3GEYJ473		_						₩:	
R3251 VREGOTIES5	R3141	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		G3053, 54	ECEVOJV330Q	E. CAPACITOR CH6. 3V	330	1 2	
R3251 VRE0071E561 M. RESISTOR CH 1/16W 560 1	P3201-25	FXB24V101J	COMB1, R-R 100	25		03055	ECUX1E104ZFV	C. CAPACITOR CH 25V	O. 1U	1	J i
R3252-54 VRECOTTETSO				1		03056	ECEVOLIV3300	E CAPACITOR CH6 3V	3311	1	
R3255 VREDOTIESS B. RESISTOR CH 1/168 550 1				<u> </u>						+ ;	
R3256, 57 WRECOTIET25	R3252-54	VRE0071E750	M. RESISTOR CH 1/16W 75	3						₩,	
R3256 57 RECOTIFIZO M. RESISTOR OH 1/169 75 2	R3255	VRE0071E561	M. RESISTOR CH 1/16W 560	1		C3058	ECEVOJV330Q	E. CAPACITOR CH6. 3V	33U	<u> 1</u>	
R3298 NECOTIE122 N. RESISTOR ON 1/16W 1. 2K 1		VPE0071E750	M RESISTOR CH 1/16W 75	2		C3059	ECUX1E104ZFV	C. CAPACITOR CH 25V	O. 1U	1	
R3256 VRECOTIE302 III. RESISTOR CH 1/168 3K 1 1 G3064, 55 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 2 R3262 VRECOTIE302 III. RESISTOR CH 1/168 1.2K 1 1 G3064, 55 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 2 2 R3262 VRECOTIE22 III. RESISTOR CH 1/168 1.2K 1 1 G3064, 55 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 2 R3262 VRECOTIE222 III. RESISTOR CH 1/168 1.2K 1 1 G3069 EQUXIEI047FV C. CAPAGITOR CH 25V 0. IU 1 1 R3262 VRECOTIE222 III. RESISTOR CH 1/168 75 1 G3070-73 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 1 R3262 VRECOTIE222 III. RESISTOR CH 1/168 75 1 G3070-73 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 4 R3302 VRECOTIE750 III. RESISTOR CH 1/168 75 1 G3070-73 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 4 R3302 VRECOTIE750 III. RESISTOR CH 1/168 75 1 G3070-73 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 4 R3302-04 ERJ3GEYJ124 III. RESISTOR CH 1/168 120K 1 C3103 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 4 R3302-04 ERJ3GEYJ124 III. RESISTOR CH 1/168 120K 1 C3103 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3104 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3104 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3104 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3104 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3104 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3104 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3104 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3105 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 6 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 7 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 7 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 7 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 7 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 7 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 7 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 C3112 EQUXIEI042FV C. CAPAGITOR CH 25V 0. IU 1 C3112 EQUXIEI042FV C. CAP				1		03060	ECEVOLIV3300	E CAPACITOR CHE 3V	330	1	
R3260 NREGOTIE122 IN RESISTOR CH 1/168 1.2K 1	R3258			-						+:	
R3260	R3259	VRE0071E302	M. RESISTOR CH 1/16W 3K	1		C3061	ECUX1E104ZFV	C. CAPACITOR CH 25V	0. 10	<u> </u>	
R3261 ERJSGEYJ081 IL RESISTOR CH 1/10M 680 1	R3260	VRE0071E122	M. RESISTOR CH 1/16W 1.2K	1	i i	C3064, 65	ECUX1E104ZFV	C. CAPACITOR CH 25V	0. 10	2	:
R3262 VREOD71E222 II. RESISTOR CH 1/16W 2.2K 1 C3069 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1				1		Ç3068	ECUX1E104ZFV	C. CAPACITOR CH 25V	O. 1U	1	1
R3263 VRECO711E25 II. RESISTOR CH 1/16W 75 1				H						1	
R3301 ERJ3GEYJ533 N. RESISTOR CH 1/16W 56K 1 R3302—04 ERJ3GEYJ124 N. RESISTOR CH 1/16W 120K 3 R3305—08 ERJ3GEYJ153 N. RESISTOR CH 1/16W 56K 1 R3306—08 ERJ3GEYJ153 N. RESISTOR CH 1/16W 15K 3 C3103—ECUXIH330JCV C. CAPACITOR CH 50V 33P 1 R3312—14 ERJ3GEYJ101 N. RESISTOR CH 1/16W 100 3 C3105—10 ECUXIE104ZFY C. CAPACITOR CH 50V 18P 1 R3315—17 ERJ3GEYORO0 N. RESISTOR CH 1/16W 0 3 C3111—ECUXIH320JCV C. CAPACITOR CH 50V 18P 1 R3315—17 ERJ3GEYORO0 N. RESISTOR CH 1/16W 0 3 C3112—ECUXIH320JCV C. CAPACITOR CH 50V 18P 1 R3315—17 ERJ3GEYORO0 N. RESISTOR CH 1/16W 0 3 C3111—ECUXIH320JCV C. CAPACITOR CH 50V 18P 1 R33101—EYF6CU TEST POINT 1 C3113—ECUXIH330JCV C. CAPACITOR CH 50V 18P 1 TG3101—EYF6CU TEST POINT 1 C3114—ECUXIH320JCV C. CAPACITOR CH 50V 18P 1 TG3101—EYF6CU TEST POINT 1 C3115—ECUXIH330JCV C. CAPACITOR CH 50V 18P 1 TG3101—EYF6CU TEST POINT 1 C3116—ECUXIH330JCV C. CAPACITOR CH 50V 18P 1 TG3101—EYF6CU TEST POINT 7 C3116—ECUXIH330JCV C. CAPACITOR CH 50V 18P 1 TT3001—07 EYF6CU TEST POINT 7 C3116—ECUXIH330JCV C. CAPACITOR CH 50V 18P 1 TT3001—08 EYF6CU TEST POINT 7 C3120—ECEVOLV3300—E CAPACITOR CH 50V 33P 1 TT3001—08 EYF6CU TEST POINT 6 C3121—ECUXIE104ZFY C. CAPACITOR CH 6.3V 33U 1 TT3001—08 EYF6CU TEST POINT 6 C3122—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 VR3001—VRV0181B102—V. RESISTOR 1K 1 C3124—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 VR3001—VRV0181B102—V. RESISTOR 1K 1 C3125—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 C3126—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 C3127—ECUXIE104ZFY C. CAPACITOR CH 6.3V 33U 1 C3128—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 C3129—ECUXIE104ZFY C. CAPACITOR CH 6.3V 33U 1 C3129—ECUXIE104ZFY C. CAPACITOR CH 6.3V 33U 1 C3120—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 C3121—ECUXIE104ZFY C. CAPACITOR CH 6.3V 33U 1 C3120—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 C3121—ECUXIE104ZFY C. CAPACITOR CH 6.3V 33U 1 C3121—ECUXIE104ZFY C. CAPACITOR CH 6.3V 33U 1 C3120—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1 C3120—ECEVOLV3300—E CAPACITOR CH 6.3V 33U 1	R3262			⊢'			-			⊢'	
R3301 ERJ3GEYJ563 N. RESISTOR CH 1/16W 56K 1 R3302-04 ERJ3GEYJ563 N. RESISTOR CH 1/16W 120K 3 C3102 ECUXIHISJOV C. CAPACITOR CH 50V 180P 1 R3305 ERJ3GEYJ563 N. RESISTOR CH 1/16W 156K 1 C3103 ECUXIHISJOV C. CAPACITOR CH 50V 180P 1 R3306-08 ERJ3GEYJ563 N. RESISTOR CH 1/16W 15K 3 C3104 ECUXIHISOJCV C. CAPACITOR CH 50V 180P 1 R3315-17 ERJ3GEYJ101 N. RESISTOR CH 1/16W 100 3 C3105-10 ECUXIHISOJCV C. CAPACITOR CH 50V 180P 1 R3315-17 ERJ3GEYJ001 N. RESISTOR CH 1/16W 0 3 C3112 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3113 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3114 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3115 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3116 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3117 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3118 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3119 ECUXIHISOJCV C. CAPACITOR CH 50V 22P 1 C3110 EYFECU TEST POINT 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3110 EYFECU TEST POINT 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3110 EYFECU TEST POINT 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3110 EYFECU TEST POINT 7 C3116 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3110 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3110 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3110 ECUXIHISOJCV C. CAPACITOR CH 50V 33P 1 C3110 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3110 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3111 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C. CAPACITOR CH 6.3V 33U 1 C3112 ECUXIHISOJCV C	R3263	VRE0071E750	M. RESISTOR CH 1/16W 75	_1	<u> </u>	C3070-73				14	1
R3302-04 R336EY.1124 III. RESISTOR CH 1/10W 120K 3 C3102 ECUXIH181.JCV C. CAPACITOR CH 50V 180P 1		ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1		C3101	ECUX1H22OJCV	C. CAPACITOR CH 50V	22P	1	
R3305				-					180P	1	
R3306-08 ERJ3GEYJ153 M. RESISTOR CH 1/16M 15K 3 C3104 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1				٠,						١,	
R3312-14 ERJ3GEYJ101 III. RESISTOR CH 1/16W 100 3 C3105-10 ECUX1E104ZFV C. CAPACITOR CH 25V 0.1U 6	R3305			Ľ						Η,	
R3312-14 ERJ3GEYJ101 M. RESISTOR CH 1/16W 100 3	R3306-08	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	_3					18P	₩.	
R3315-17 R336FYOROO RESISTOR CH 1/16W O 3 C3111 ECUX1H22OJCV C. CAPACITOR CH 50V 22P 1 C3112 ECUX1H181JCV C. CAPACITOR CH 50V 180P 1 C3113 ECUX1H181JCV C. CAPACITOR CH 50V 33P 1 C3101 EYF6CU TEST POINT 1 C3114 ECUX1H22OJCV C. CAPACITOR CH 50V 33P 1 C3115 ECUX1H181JCV C. CAPACITOR CH 50V 33P 1 C3115 ECUX1H181JCV C. CAPACITOR CH 50V 33P 1 C3115 ECUXIH181JCV C. CAPACITOR CH 50V 33P 1 C3115 ECUXIH181JCV C. CAPACITOR CH 50V 180P 1 C3116 ECUXIH30JCV C. CAPACITOR CH 50V 33P 1 C3116 ECUXIH30JCV C. CAPACITOR CH 6.3V 33U 1 C3120 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 C3121 ECUXIE104ZFV C. CAPACITOR CH 6.3V 33U 1 C3122 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 C3124 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 C3126 ECEVOLV330Q E. CAPACITO				3		C3105-10	ECUX1E104ZFV	C. CAPACITOR CH 25V	O. 1U	6	<u> </u>
C3112 ECUXIHI81JOY C. CAPACITOR CH 50V 180P 1				-		C3111	ECUX1H220-ICV	C. CAPACITOR OH 50V	22P	1	
T63001	кзэ15-17	ERUSUETURUU	m. RESISTOR OF 17 TOW U	3						+ :	
T03101 EYF6CU TEST POINT 1 C3114 ECUX1H22OJCV C. CAPACITOR CH 50V 22P 1 T03201 EYF6CU TEST POINT 1 C3115 ECUX1H181JCV C. CAPACITOR CH 50V 180P 1 TP3001-07 EYF6CU TEST POINT 7 C3120 ECEVOLV330Q E. CAPACITOR CH 50V 33P 1 TP3101-06 EYF6CU TEST POINT 6 C3121 ECUX1E104ZFV C. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3121 ECUX1E104ZFV C. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3122 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3122 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3122 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3122 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3123 ECUX1E104ZFV C. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3124 ECEVOLV330Q E. CAPACITOR CH 6.5V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3124 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3124 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 50V 0.1U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST POINT 6 C3126 ECEVOLV330Q E. CAPACITOR CH 6.3V 33U 1 TP3201-06 EYF6CU TEST				_						₽'	
T63101 EYF6CU TEST POINT 1	TG3001	EYF8CU	TEST POINT	1		C3113	ECUX1H330JCV	C. CAPACITOR CH 50V	33P	\Box	L
TG3201				1		03114	ECUX1H22OJCV	C. CAPACITOR CH 50V	22P	1	
TP3001-07 EYF6CU TEST POINT 7 C3120 ECEVCJV330Q E. CAPACITOR CH 50V 33P 1 TP3101-06 EYF6CU TEST POINT 6 C3121 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 TP3201-06 EYF6CU TEST POINT 6 C3122 ECEVCJV330Q E. CAPACITOR CH 25V 0. 1U 1 VR3001 VRV0161B102 V. RESISTOR 1K 1 C3124 ECEVCJV330Q E. CAPACITOR CH 25V 0. 1U 1 C3124 ECEVCJV330Q E. CAPACITOR CH 25V 0. 1U 1 C3125 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3126 ECEVCJV330Q E. CAPACITOR CH 25V 0. 1U 1 C3127 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3128 ECEVCJV330Q E. CAPACITOR CH 25V 0. 1U 1 C3126 ECEVCJV330Q E. CAPACITOR CH 25V 0. 1U 1 C3127 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3128 ECEVCJV330Q E. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1				-						1	
TP3001-07 EYF8GU TEST POINT 7 C3120 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1 TP3101-08 EYF8GU TEST POINT 6 C3121 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 TP3201-08 EYF8GU TEST POINT 6 C3122 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1 VR3001 VRV0161B102 V. RESISTOR 1K 1 C3124 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1 VR3001 VRV0161B102 V. RESISTOR 1K 1 C3124 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1 C3125 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 C3126 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1 C3127 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 C3128 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1 C3128 ECEVOJV330Q E. CAPACITOR CH6.3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6.3V 33U 1	TG3201		IES! PUINT	⊢'						-	
TR3101-06 EYF6GU TEST POINT 6 C3121 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 TR3201-06 EYF6GU TEST POINT 6 C3122 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 VR3001 VRV0161B102 V. RESISTOR 1K 1 C3123 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3124 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3125 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3126 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3127 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3128 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3128 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1		1		L						<u> </u>	
TR3101-06 EYF6CU TEST POINT 6 C3121 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1 TP3201-06 EYF6CU TEST POINT 6 C3122 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3123 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3124 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3125 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3126 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3127 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3128 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3128 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3128 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3128 ECEVOLV330Q E. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUXIE104ZFV C. CAPACITOR CH6. 3V 33U 1	TP3001-07	EYF6CU	TEST POINT	7		C3120	ECEVO/V3300	E. CAPACITOR CH6. 3V	330	<u> </u> 1	1
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C3123 ECUXIEIO4ZFV C. CAPACITOR CH 25V O. 1U 1				-						1	t
VR3001 VRV0161B102 V. RESISTOR 1K 1 C3124 ECEVOJV330Q E. CAPACITOR CH6. 3V 33U 1 C3125 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3126 ECEVOJV330Q E. CAPACITOR CH6. 3V 33U 1 C3127 ECUX1E104ZFV C. CAPACITOR CH6. 3V 33U 1 C3128 ECEVOJV330Q E. CAPACITOR CH6. 3V 33U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH6. 3V 33U 1 C3001 ECUX1H560JCV C. CAPACITOR CH 50V 56P 1 C3124 ECEVOJV330Q E. CAPACITOR CH6. 3V 33U 1	TP3201-06	EYF6CU	IEST POINT	6						₽'	
C3125 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3126 ECEVOJV330Q E CAPACITOR CH 25V 0. 1U 1 C3126 ECEVOJV330Q E CAPACITOR CH 6. 3V 33U 1 E9 VEP232768 CAMERA ENCODER P. C. BOARD 1 (RTL) C3127 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3128 ECEVOJV330Q E CAPACITOR CH 6. 3V 33U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1			,	L.		03123	ECUX1E104ZFV	C. CAPACITOR OH 25V	O. 1U	1 1	
C3125 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3126 ECEVOJV330Q E CAPACITOR CH 25V 0. 1U 1 C3126 ECEVOJV330Q E CAPACITOR CH 6. 3V 33U 1 E9 VEP232768 CAMERA ENCODER P. C. BOARD 1 (RTL) C3127 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3128 ECEVOJV330Q E CAPACITOR CH 6. 3V 33U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1	VP2001	VRV0161B102	V. RESISTOR 1K	1		C3124	ECEVOJV330Q	E. CAPACITOR CH6. 3V	330	1	
C3126 ECEVOJV330Q E CAPACITOR CH6. 3V 33U 1 ■ E9 VEP232768 CAMERA ENCODER P. C. BOARD 1 (RTL) C3127 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3128 ECEVOJV330Q E CAPACITOR CH6. 3V 33U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH6. 3V 33U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH6. 3V 33U 1	*K3001	77777010102	III.	⊢'			-			1	
■ E9 VEP232768 CAMERA ENCODER P. C. BOARD 1 (RTL) C3127 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3128 ECEVOLV330Q E. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIENTE CAPACITOR CH 25V 0. 1U 1 C3120 ECUXIE		ļ		-			 			┿	
C3128 ECEVOJV330Q E. CAPACITOR CH6. 3V 33U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3101 ECUX1H560JCV C. CAPACITOR CH 50V 56P 1 C3103 ÉCEVOJV330Q E. CAPACITOR CH6. 3V 33U 1		L		L			 		33U	\perp 1	
C3128 ECEVOJV330Q E. CAPACITOR CH6. 3V 33U 1 C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3101 ECUX1H560JCV C. CAPACITOR CH 50V 56P 1 C3103 ECEVOJV330Q E. CAPACITOR CH6. 3V 33U 1 C3104 ECUX1H560JCV C. CAPACITOR CH 50V 56P 1	■ E9	VEP232768	CAMERA ENCODER P. C. BOARD	1	(RTL)	C3127	ECUX1E104ZFV	C. CAPACITOR CH 25V	O. 1U	<u>L</u> 1	
C3129 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3001 ECUX1H560JCV C. CAPACITOR CH 50V 56P 1 C3130 ÉCEVOJV3300 E. CAPACITOR CH6. 3V 33U 1						C3128	ECEVOJV3300	E. CAPACITOR CH6. 3V	3311	1	
C3001 ECUXIH560JCV C. CAPACITOR CH 50V 56P 1 C3130 ÉCEVOJV3300 E. CAPACITOR CH6. 3V 33U 1		ļ		\vdash						+ :	
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AND FOUNTIAND OF THE PROPERTY OF A PROPERTY OF THE PROPERTY OF	C3001	ECUX1H56OJCV	C. CAPACITOR CH 50V 56P	1		C3130	ECEAONA3300	E. CAPACITOR CH6. 3V	330	L1	
WOULD DESCRIPTION OF THE PARTY				1		C3131	ECUX1E104ZFV	C. CAPACITOR CH 25V	Q. 1U	1	
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Ref. No.		Part Name & DescriptionP	cs Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
03132		E. CAPACITOR CH6. 3V 33U	1	103404	AD8011AR	10	1	
G3134	ECUX1E104ZFV	C, CAPACITOR CH 25V 0.1U	1	103405	XC62AP5002P	10	_1	1
G3135	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	103406	AD8011AR	IC	1	
03136	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1					
C3137	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	L3002	VLQ0426J820	COIL 82UH	1	i
C3138	ECUX1H181JCV	C. CAPACITOR CH 50V 180P	1	L3003	VLQ0163J820	COIL 82UH	1	i
C3139	ECEV1HN010Q	E. CAPACITOR CH 50V 1U	1	L3004, 05	VLQ0426J470	COIL 47UH	2	4
		C. CAPACITOR CH 25V O. 1U	3	L3006	VLQ0426J180	COIL 18UH	1	
C3143		E. CAPACITOR CH6. 3V 33U	1	L3007	VLQ0426J560	COIL 56UH	1	
G3144		C. CAPACITOR CH 25V 0.1U	1	L3008, 09	VLQ0426J120	COIL 12UH	2	
G3145		E. CAPACITOR CH6. 3V 33U	1			COIL 100UH	4	
		C. CAPACITOR CH 25V 0.1U	1	L3101-03	VLQ0426J101	COIL 100UH	3	
G3146		C. CAPACITOR CH 25V 0.1U	2	L3104-06	VLQ0319K101	COIL 100UH	3	
			1	L3108, 09	VLQ0319K101	COIL 100UH	2	
C3201			·	L3201-04	VLQ0319K101		-	
G3202	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1			COIL 100UH	4	`
¢3203		C. CAPACITOR CH 25V 0.1U		L3401-03	VLQ0319K101	COIL 100UH	3	1
03204	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1				<u> </u>	
03205		C. CAPACITOR CH 25V 0.1U	1	P3001	VJP3657	CONNECTOR (MALE)	'	
03206		C. CAPACITOR CH 50V 10P	1				_	
C3207, 08	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	2	93003	2SD1819A	TRANSISTOR	_1	
C3209 , 10	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	2	Q3005	2SD1819A	TRANSISTOR	1	
03211	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	Q3006-08	2SB1218A	TRANSISTOR	3	
C3212	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	Q3009	2SD1819A	TRANSISTOR	Lī	
03213		C. CAPACITOR CH 25V D. 1U	1	Q3010	XN4401	TRANSISTOR-RESISTOR	1	
C3214	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	Q3011	XN4501	TRANSISTOR-RESISTOR	1	1
C3215		C. CAPACITOR CH 25V 0. 1U	1	Q3012	XN4401	TRANSISTOR-RESISTOR	1	
G3216		C. CAPACITOR CH 50V 10P	1	Q3013	XN4501	TRANSISTOR-RESISTOR	1	
G3217		C. CAPACITOR CH 25V 0. 1U	1	93014, 15	2SD1819A	TRANSISTOR	2	
03217	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	2	Q3016	XN4501	TRANSISTOR-RESISTOR	1	
G3219, 20 G3221		C. CAPACITOR CH 25V 0.1U	1	Q3101	XN4401	TRANSISTOR-RESISTOR	1	
		C. CAPACITOR CH 25V 0. 1U	4	Q3102	XN4501	TRANSISTOR-RESISTOR	1	
G3224-27	ECUX1E104ZFV		1	Q3103-06	2SD1819A	TRANSISTOR	4	
03401	ECEV1CV1000			Q3103-00	2SB1218A	TRANSISTOR	3	
C340204	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	3		 		⊢	
C3405	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	Q320104	2SD1819A	TRANSISTOR	4	
C3406	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	Q3206	XN4401	TRANSISTOR-RESISTOR	1	
C3407	ECEVOGV221Q	E. CAPACITOR CH 4V 220U	1	03207	XN4501	TRANSISTOR-RESISTOR	1	
C3409-11	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	3	93209, 10	2SD1819A	TRANSISTOR	_2	
C3412	ECEVO/V3300	E. CAPACITOR CH6. 3V 33U	1	03212	2SD1819A	TRANSISTOR	_1	
03413	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	Q3214	XN4401	TRANSISTOR-RESISTOR	_ 1	
G3414	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	Q3215	XN4501	TRANSISTOR-RESISTOR	- 1	
C3415-17	ECEV1CV1000	E. CAPACITOR CH 16V 10U	3	Q3401-03	2SD1819A	TRANSISTOR	3	
C3418	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1					
C3419	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	R3001	VRE0071E470	M. RESISTOR CH 1/16W 47	1	
C342O	ECEVOGV221Q	E. CAPACITOR CH 4V 220U	1	R3002	VRE0071E101	M. RESISTOR CH 1/16W. 100	1	
G3421	ECUX1H050CCV	C. CAPACITOR CH 50V 5P	1	R3003	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
03422	ECEVOJN470Q	E. CAPACITOR CH6. 3V 47U	1	R3010	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
G3423	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	R3011	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
C3424	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	R3012	VRE0071E241	M. RESISTOR CH 1/16W 240	1	
		C. CAPACITOR CH 50V 22P	2	R3013	VRE0071E361	M. RESISTOR CH 1/16W 360	,	
C3425, 26	ECUX1H22OJCV		1	R3015	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
G3427	ECUX1H470JCV	G. CAPACITOR CH 50V 47P	1				- 1	
		C. CAPACITOR CH 25V 0. 1U	4	R3020	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	-!	
G3434	1000	E. CAPACITOR CH6. 3V 33U	1	R3021		M. RESISTOR CH 1/16W 4.7K	1	
C3435		C. CAPACITOR CH 25V 0. 1U	1	R3022, 23		M. RESISTOR CH 1/16W 360	2	
C3436	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	R3025		M. RESISTOR CH 1/16W 3. 3K	_1	
C3437	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	R3026	VRE0071E821	M. RESISTOR CH 1/16W 820	1	
				R3027		M. RESISTOR CH 1/16W 1K	_1	
FL3101-0	VLF1305	FILTER	3	R3028		M. RESISTOR CH 1/16W 3.3K	1	
FL3201, 0	VLF1305	FILTER	2	R3029	VRE0071E821	M. RESISTOR CH 1/16W 820	1	
				R3030	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	
163001	AD8047AR	IC	1	R3031	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
103003	XC82AP5002P	10	1	R3032	VRE0071E471	M. RESISTOR CH 1/16W 470	1	
103004	M51272FP	10	1	R3033		M. RESISTOR CH 1/16W 240	1	
103005	XC62DN5002P	10	1	R3034		M. RESISTOR CH 1/16W 3.3K	뒴	
		IC	1	R3038, 39		M. RESISTOR CH 1/16W 1K	2	
103006	TC4W53FU		1	R3040		M. RESISTOR CH 1/16W 27K	-	
103101	ADBO11AR	10	1	R3040		M. RESISTOR CH 1/16W 2/K	2	
103102	MC74HC4053F	10	·				1	
103103	XC62AP5002P	IC	1	R3043		M. RESISTOR CH 1/16W 27K	-1	
103104	XC62DN5002P	10	1	R3044		M. RESISTOR CH 1/16W 620	1	
103105	NJM062M	IC	1	R3045		M. RESISTOR CH 1/16W 820	-1	
103106	MC74HCOOAF	IC	1	R3046		M. RESISTOR CH 1/16W 3.3K	1	
103107	TC4W53FU	10	1	R3047		M. RESISTOR CH 1/16W 220	1	
103201, 0	2 AD8011AR	IC	2	R3048	VRE0071E272	M. RESISTOR CH 1/16W 2.7K	_1	
103203	MC74HC4053F	IC	1	R3049	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	
	TC4W53FU	10	2	R3050, 51	VRE0071E561	M. RESISTOR CH 1/16W 560	2	
	3 NJM2535M	IC	3	R3052, 53		M. RESISTOR CH 1/16W 22	2	
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Ref. No.	Part No.	Part Name &	Descr	ription	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	nPo	s Remarks
		M. RESISTOR CH			1			ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	_	2
		M. RESISTOR CH			1		R3171, 72	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	2
		M. RESISTOR CH			1		R3174	ERJ3GEYJ470	M. RESISTOR OH 1/16W 47	Т	1
		M. RESISTOR CH			1		R3175	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	Т	1
	ERJ3GEYG682	M. RESISTOR CI			1		R3201	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	Т	1
		M. RESISTOR CH			1		R3202	VRE0071E302	M. RESISTOR CH 1/16W 3K	\top	t
R3060		M. RESISTOR CH			1		R3203	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	1
	ERJ3GEYJ220	M. RESISTOR CI			2		R3204	VRE0071E101	M. RESISTOR CH 1/16W 100	\top	1
R3063		M. RESISTOR CI			1		R3206	VRE0071E681	M. RESISTOR CH 1/16W 680	\top	1
R3064	ERJ3GEYJ470	M. RESISTOR C			1		R3207	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	1	1
		M. RESISTOR CI			1		R3208	VRE0071E222	M. RESISTOR CH 1/16W 2.2K	\top	1
		M. RESISTOR C			+		R3209	VRE0071E361	M. RESISTOR CH 1/16W 360	+	1
R3066	ERJ3GEYJ470	M. RESISTOR CI			!		R3210	VRE0071E222	M. RESISTOR CH 1/16W 2.2K	+	1
R3067	ERJ3GEYG682				+ ;		R3214	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	+	1
R3068	ERJ3GEYJ100	M. RESISTOR C			+		R3215	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	+	1
R3069	VRE0071E680	M. RESISTOR C			+ ;		R3216	VRE0071E562	M. RESISTOR CH 1/16W 5. 6K	+	1
R3073	ERJ3GEYOROO	M. RESISTOR C			1			VRE0071E681		+	
R3074	VRE0071E912	M. RESISTOR C			1		R3217			+	1
R3075	VRE0071E822	M. RESISTOR C			₽;		R3218	VRE0071E152		╁	1
R3078	VRE0071E102	M. RESISTOR C			1		R3219	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820		`
R3079	VRE0071E910	M. RESISTOR C			1		R3220	VRE0071E124	M. RESISTOR CH 1/16W 120K	+	1
R3080	VRE0071E390	M. RESISTOR C	H 1/169	1 39	1		R3221	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	+	1
R3081	ERJ3GEYJ470	M. RESISTOR C	H 1/169	47	1		R3223, 24	ERJ3GEYJ220	M. RESISTOR CH 1/16W 22	+	2
R3095	VRT014182150	THERMISTOR			1		R3227	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	1
R3096	VRT014116250	THERMISTOR			1		R3229	VRE0071E680	M. RESISTOR CH 1/16W 68	4	1
R3101-03	ERJ3GEYJ473	M. RESISTOR C	H 1/1 6	47K	3		R3233	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	\perp	1
R3104	VRE0071E102	M. RESISTOR C	H 1/16	r 1K	1		R3234	VRE0071E302	M. RESISTOR CH 1/16W 3K	L	1
R3105	VRE0071E821	M. RESISTOR C			1		R3235	VRE0071E102	M. RESISTOR CH 1/16W 1K		1
R3106	VRE0071E181	M. RESISTOR C			1		R3236	VRE0071E101	M. RESISTOR CH 1/16W 100	Γ	11
R3107	ERJ3GEYOROO	M. RESISTOR C			1		R3238	VRE0071E681	M. RESISTOR CH 1/16W 680	Т	1
R3108	VRE0071E102	M. RESISTOR C	H 1/161	I IK	1		R3239	VRE0071E242	M. RESISTOR CH 1/16W 2.4K		1
R3109	VRE0071E151	M. RESISTOR C			1		R3240	VRE0071E222	M. RESISTOR CH 1/16W 2.2K	\top	1
R3111	VRE0071E911	M. RESISTOR C			1		R3241	VRE0071E361	M. RESISTOR CH 1/16W 360	T	1
	VRE0071E122	M. RESISTOR C			1		R3242	VRE0071E222	M. RESISTOR CH 1/16W 2. 2K	†	1
R3112		M. RESISTOR C			+;		R3247	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	+	1
R3113	VRE0071E182				+;		R3248	VRE0071E562	M. RESISTOR CH 1/16W 5. 6K	+	1
R3115	VRE0071E132	M. RESISTOR C			+:		R3249	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	╫	1
R3116	VRE0071E821	M. RESISTOR C			+;			• • • • • • • • • • • • • • • • • • • 		+	1
R3117	VRE0071E271	M. RESISTOR C			1		R3250	VRE0071E681	M. RESISTOR CH 1/16W 680	+	4
R3118	VRE0071E123	M. RESISTOR C			1		R3251	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	╫	1
R3120	VRE0071E392	M. RESISTOR C			1		R3253	VRE0071E124	M. RESISTOR CH 1/16W 120K	+	1
R3122	ERJ3GEYOROO	M. RESISTOR C	H 1/16		1		R3254	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	4	1
R3123, 24	ERJ3GEYJ220	M. RESISTOR C	H 1/16		2		R3256, 57	ERJ3GEYJ220	NI. RESISTOR CH 1/16W 22	-	2
R3125, 26	ERJ3GEYG682	M. RESISTOR C			2		R3260	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	-	1
R3127	VRE0071E680	M. RESISTOR C	H 1/18	W 68	1		R3262	VRE0071E680	M. RESISTOR CH 1/16W 68		1
R3128, 29	VRE0071E102	M. RESISTOR C	H 1/161	I 1K	2		R3263, 64	ERJ3GEYJ470	N. RESISTOR CH 1/16W 47	_	2
R3130	ERJ3GEYJ222	M. RESISTOR O	H 1/18	2. 2K	1		R3265, 66	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	-	2
R3131	ERJ3GEYJ103	M. RESISTOR C	H 1/16	N 10K	1		R3267, 68	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47		2
R3132	VRE0071E102	M. RESISTOR C	H 1/16	N 1K	1		R3269, 70	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10		2
R3133	VRE0071E681	M. RESISTOR C	H 1/16	680	1		R3273, 74	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47		2
R3134	VRE0071E331	M. RESISTOR C	H 1/16	W 330	1		R3280	VRE0071E752	M. RESISTOR CH 1/16W 7.5K	T	1
R3135	ERJ3GEY0R00	M. RESISTOR C	H 1/16	W 0	1		R3281	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	T	1
R3136	VRE0071E102	M. RESISTOR C			1			VRE0071E562	M. RESISTOR CH 1/16W 5.6K	1	2
R3137	VRE0071E151	M. RESISTOR C			1		R3403		M. RESISTOR CH 1/16W 2.7K	+	1
R3139	VRE0071E102	M. RESISTOR C			1 1		R3404		M. RESISTOR CH 1/16W 3. 3K	-	1
	VRE0071E751	M. RESISTOR C			1		R3406	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	_	1
R3140	VRE0071E182	M. RESISTOR C			+ ;		R3408	VRE0071E271	M. RESISTOR CH 1/16W 270		
R3141		M. RESISTOR C			╁		R3409	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	+	
R3143	ERJ3GEYJ182				+		R3410	ERJ3GEYJ681	M. RESISTOR CH 1/16W 1. 8K	+	1
R3144	ERJ3GEYJ103	M. RESISTOR C			+-		R3410		M. RESISTOR OH 1/16W 390	-	1
R3145	VRE0071E102	M. RESISTOR C			1-			ERJ3GEYJ391			
R3146	VRE0071E751	M. RESISTOR C			1 !		R3413	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	+	
R3147	VRE0071E221	M. RESISTOR C			11		R3414	VRE0071E471	M. RESISTOR CH 1/16W 470	+	
R3148	VRE0071E390	M. RESISTOR C			1		R3416	VRE0071E301	M. RESISTOR CH 1/16W 300	+	
R3149	VRE0071E102	M. RESISTOR C			11		R3417	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	+	
R3150	ERJ3GEYOROO	M. RESISTOR C			11		R3418	VRE0071E302	M. RESISTOR CH 1/16W 3K	1	
R3152	VRE0071E151	M. RESISTOR C			1		R3420	VRE0071E151	M. RESISTOR CH 1/16W 150	Į.	
R3154	VRE0071E102	M. RESISTOR C	H 1/16		1		R3422	VRE0071E621	M. RESISTOR CH 1/16W 620	-	
R3155	VRE0071E621	M. RESISTOR C	H 1/16	W 620	1		R3423	VRE0071E750	M. RESISTOR CH 1/16W 75	Ŀ	
R3156	VRE0071E182	M. RESISTOR C	H 1/16	W 1.8K	1		R3424	VRE0071E302	M. RESISTOR CH 1/16W 3K	1	
R3158	ERJ3GEYJ182	M. RESISTOR C	H 1/16	W 1.8K	1		R3425	VRE0071E512	M. RESISTOR CH 1/16W 5.1K		
R3159	ERJ3GEYJ103	M. RESISTOR C			ī		R3426	VRE0071E331	M. RESISTOR CH 1/16W 330	T	
R3160	ERJ3GEYJ473	M. RESISTOR C			1		R3428		M. RESISTOR CH 1/16W 470	1	
R3161-63		M. RESISTOR C			3		R3429	VRE0071E913	M. RESISTOR OH 1/16W 91K	1	
R3165	VRE0071E471	M. RESISTOR C			1		R3430-32	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
	ERJ3GEYJ101	M. RESISTOR C			T i		R3433	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	+	
R3166	ERJ3GEYJ102	M. RESISTOR C			+;		1.5-100			+	1
R3167	ERJ3GEYG472	M. RESISTOR C			+;		SW3101, 02	VSS0342	SWITCH	1	
D0100		IN KESISIUK U	. 1/10	y 7./N			ORG 101, UZ	1.000076		1.4	1
R3168	ENGOGETOTIE				Т	1			1	Т	

Bef No. Part No.		JO VEI ZO		1			T	\neg	
TROOD (1979-01) TEST POWER 1 1 0.00771	Ref. No.	Part No.	Part Name & Description	cs Remarks	Ref. No.	Part No.	Part Name & Descripti	on P	cs Remarks
Tendon T	SW3201, 02	VSS0342	SWITCH	2	C3068-70	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1	,	3
1979 1979					C3071	ECEV1HN0100	E. CAPACITOR CH 50V 1	,	1
ENTROL THE FORT	TG3001	EYF6CU EYF6CU	TEST POINT	1	03072	ECUX1H102JV	C. CAPACITOR CH 50V 1000	7	1
Propost Pro				1	C3073	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1	ı	1
								7	1
1979-000 TREAT POINT 12 1 1 1 1 1 1 1 1	TP2001-07	EVERCII	TEST DOINT	7					3
Tread-of-green				1				-	
Tribation Property Test Privity February Fe								-	
MONODIT TriBIER								\rightarrow	<u> </u>
	TP3401-04	EYF6CU	TEST PUTNI	4				-	
WESTOOL WATER PROPERTY WATER PROPE								\rightarrow	1
Memory M	VC3001	VCV0047	TRIMMER .	1				-	
Memory M					C3084-86			_	3
MORROUGH VISITATION 100 1	VR3003	EVM7JGA00BE2		1				-	1
New New	VR3005	EVM7JGA00BE2	V. RESISTOR 220	1	C3088	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1	1	1
MINISTRATE MIN	VR3006	EVM7JGA00B14	V. RESISTOR 10K	1	¢3089	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33	1	1[
Memoraria Memo	VR3007	EVM7JGA00B23	V. RESISTOR 2K	1	C3090, 91	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1	ı	2
March Marc	VR3008, 09	VRV0161B202	V. RESISTOR 2K	2	C3092	ECUX1H561JCV	C. CAPACITOR CH 50V 560	٠ [1
MODITION MODITION	VR3010	VRV0161B201	V. RESISTOR 200	1	03093, 94	ECUX1E104ZFV	G. CAPACITOR CH 25V 0. 1	т	2
1980 10 NEWT-AUROUNE NEWT-AURO				1	C3095	ECUX1H150JCV	C. CAPACITOR CH 50V 15	7	1
Section Sect				1				,	1
MINISTER MINISTER				1				亣	1
Ministro Ministro								-	3
March Marchander Marchand								_	1
March Marc								\rightarrow	1
March Marc				·				-	1
WASHINGTON SWITHMANDERS W. RESISTOR 220 1								-+-	·
Septiment Sept								-	1
REFINANCIAL RESISTOR 220 1								-	-
BISCELLANEGUS				<u> </u>				-	<u> </u>
	VR3403	EVM7JGA00BE2	V. RESISTOR 220	1				-	3
Name Company									1
XS82-66 SOREM 2			MISCELLANEOUS		03115-17			-	3
					03121			<u></u>	1
■ E10 VEP234468	,	XS82+6	SCREW	2	C3122	ECEV1HV010Q	E. CAPACITOR CH 50V 1	<u> </u>	1
					C3123	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1		1
BETT VEP20747A OAMERA SYNG SUB P. C. BOARD 1 (RTL) INGLIDED E10 C3133, 34 (EXIXEDADRY O. CAPACITOR OR J.SY 0.11 1 C3135 ECIXIFEDADRY O. CAPACITOR OR J.SY 0.11 C3135 ECIXIFEDADRY O. CAPACITOR OR J.SY 1 C3135 ECIXIFEDADRY O. CAPACITOR OR J.SY 1 C3135 ECIXIFEDADRY O. CAPACITOR OR J.SY 1 C3135 ECIXIFEDADRY O. CAPACITOR OR J.SY 0.11 1 C3136 ECIXIFED					03131	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1		1
	E10	VEP23446B	CAMERA SYNC P. C. BOARD	1 (RTL) INCLUDING E11	03132	ECUX1E223KBV	C. CAPACITOR CH 25V 0. 023		1
C3135 EQUITIFICATION C. OAPACITOR OH SOV 47P 1		VEP20747A	CAMERA SYNC SUB P. C. BOARD	1 (RTL) INCLUDED E10	03133, 34	ECUX1E104ZFV	C. CAPACITOR OH 25V 0. 1	7	2
Color Colo					03135	ECUX1H470JCV	C. CAPACITOR OH 50V 47	•	1
COLINE CAPACITOR CM 28V 0, 10 1 1 1 1 1 1 1 1 1					03136	ECUX1H181JCV	C. CAPACITOR CH 50V 180	7	1
C3	C 1	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1	C3137	ECUX1H821JV	C, CAPACITOR CH 50V 820	7	1
COLITION C			C. CAPACITOR CH 25V 0.1U	1	C3138	ECEV1CV220Q	E. CAPACITOR CH 16V 22	П	1
CACADE COUNTETOLARY C. CAPADITOR CH 25V O. 1U 2 C3145 EQUILETOLARY C. CAPADITOR CH 25V O. 1U 1 C3146 EDEVOJASSOQ E. CAPADITOR CH 25V O. 1U 1 C3146 EDEVOJASSOQ E. CAPADITOR CH 25V O. 1U 1 C3146 EDEVOJASSOQ E. CAPADITOR CH 25V O. 1U 1 C3146 EDEVOJASSOQ E. CAPADITOR CH 25V O. 1U 1 C3147 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3147 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3147 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3147 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3147 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3147 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3150 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 C3200-60 EDUXIETOLARY C. CAPADITOR CH 25V O. 1U 1 EDU				1	C3140	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1	1	1
CONTRIBUTED CONTRIBUTED COMPACTIFIC CH 25V 0.1U 2 CONTRIBUTED COMPACTIFIC CH 25V 0.1U 1 CONTRIBUTED CONTRIBUTED CONTRIBUTED COMPACTIFIC CH 25V 0.1U 1 CONTRIBUTED CONTRIBUTED COMPACTIFIC CH 25V 0.1U 1 CONTRIBUTED CONTRIBUTED COMPACTIFIC CH 25V 0.1U 1 CONTRIBUTED COMPACTIFIC CH 25V 0.1U 2 CONTRIBUTED COMPACTIFIC CH 25V 0.1U 3 CONTRIBUTED COMPACTIFIC CH 25V 0.1U 3 CONTRIBUTED COMPACTIFIC CH 25V 0.1U 3 CONTRIBUTED COMPACTIFIC CH 25V 0.1U 1				2	C3145				1
COUNTE CAPACITOR CH 25V 0, 1U 1 COUNTE CAPACITOR CH 25V 0, 1U 2 COUNTE CAPACITOR CH 25V 0, 1U 1 COUNTE CAPACITOR CH 25V 0, 1U 2 COUNTE CAPACITOR CH 25V 0, 1U 1 COUN									1
COUNTINGACY C. CAPACITOR CH 25V O. 1U 1 COUNTING CH 25V								1	1
G3014 EGUXIEIGAZEV C. CAPACITOR CH 50V 33P 1 C. G3149 ECEVOLVIS300 E. CAPACITOR CH 6.9V 33 1 C. G3150 EGUXIEIGAZEV C. CAPACITOR CH 25V O. IU 1 G3150 EGUXIEIGAZEV C. CAPACITOR CH 25V O. IU 1 G3150 EGUXIEIGAZEV C. CAPACITOR CH 25V O. IU 3 G3152 EGUXIEIGAZEV C. CAPACITOR CH 25V O. IU 1 G3152 EGUXIEIGAZEV C. CAPACITOR CH 25V O. IU 1 G3152 EGUXIEIGAZEV C. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 2 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 G3157 EGEVICIONO E. CAPACITOR CH 25V O. IU 1 E3000-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-									1
C315,				1		+		-	1
C3017 EQUXIN22UJOV C. CAPACITOR CH 50V 22P 1						-			i
G3020 EQUXTH880UCV C. CAPACITOR CH 50V 68P 1 C3155 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3021 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 2 C3157 EQUITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 C3023 EQUXTETOAEFV C. CAPACITOR CH 25V 0. 1U 1 EQUXTETOAEFV C.				1					3
G3021, 22 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 2 C3203-05 EQUXIETONZEV C. CAPACITOR CH 3V 33U 1 C3203-05 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 1 C3203-05 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 1 C3203-05 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 1 C3203-05 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 1 C3203-05 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 1 C3203-05 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 2 C3203-05 EQUXIETONZEV C. CAPACITOR CH 25V O. IU 1 C3203-				1		-			-
G3023 ECEVOLV3300 E CAPACITOR CH8.3V 33U 1				1		+		_	1
C3024 EGUXTETO4ZFV C. CAPACITOR CH 25V O. 1U 1 C3287 C32								-	2
G3025 EQUXITIORISEY C. CAPACITOR CH 50V 0. 01U 1				<u> </u>				-	
G3028-32 EGUXIEIO4ZFV C. GAPACITOR CH 25V O. 1U 3 G3287 EGUXIEIO4ZFV C. GAPACITOR CH 50V TOP 1 G3029-30 ECVIHNO1OQ E. CAPACITOR CH 50V TOP									
C3029 EGEVINNOTO E. CAPACITOR CH 50V 1U 1 1 1 1 1 1 1 1						-			4
G3030 ECUXIFIO2JY C. CAPACITOR CH 50V 1000P 1								_	1
D3003-07					U3297-99	EGUXTE104ZFV	G. GAPAGITOR OH 25V 0.1	+	3
D3011, 12	03030						-	_	
C3035 ECEVOJV3300 E. CAPACITOR CHE. 3V 33U 1	C3O31								
C3036 EQUXIETO4ZFV C. CAPACITOR CH 25V O. 1U 1 1 1 1 1 1 1 1 1	03032	ECEVOJV330Q						-	
C3037 ECEVOJV3300 E. CAPACITOR CH6. 3V 33U 1	03035	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	D3013-16	MA4020	DIODE	1	4
C3037 ECEVOJV3300 E. CAPACITOR CH6.3V 33U 1	C3036	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1				1	
C3038 ECUXIE104ZFV C. CAPACITOR CH 25V C. 1U 1 1 1 1 1 1 1 1 1	C3037			1	1C1	74AC04SJ	10	\perp	f
C3041 ECEVIGV2200 E. CAPAGITOR CH 16V 22U 1				1	102	TC7SO4FU	IC	\perp	1
C3042 ECUX1E104ZFV C. CAPACITOR CH 25V O. 1U 1				1	IC3	TC7W14FU	10		1
G3045 ECEVOJV3300 E. CAPACITOR CH6.3V 33U 1					103001	TC7S32FU	IC	T	1
C3046 EGUX1E104ZFV C. CAPACITOR CH 25V O. 1U 1 1 1 1 1 1 1 1 1								\top	1
C3047 ECEVOJV3300 E. GAPACITOR CH8.3V 33U 1								1	1
C3048 EQUXIEI04ZFV C. CAPACITOR CH 25V O. 1U 1						 		\rightarrow	
C3049 ECEVOJV3300 E. QAPAGITOR CH6. 3V 33U 1									
C3050 EGUX1E104ZFV C. CAPACITOR CH 25V O. 1U 1								+	1
C3061 EQUXINS61_JCV C. GAPACITOR CH 50V 560P 1						+		+	1
G3067-84 EGUXTET04ZFV C. CAPACITOR CH 25V O. 1U 8				}				+	-
C3086 ECUX1E104ZFV C. CAPACITOR CH 25V O. 1U 1 1 1C3012 MC74HC125AF IC 1				1				+	
EXCEPT CONTRACTOR OF THE CONTR	C305764							-	
C3067 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 1 1 1C3013 MC74HC244AF 1C 1	C3066								
	******	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	1	103013	MC74HC244AF	10	1	1
	C3067								1
	03067					L I		_	

										AJ-DOUGE
D.C.N.	Part No.	Part Name & Description	Pos	Remarks	Ref. No.	Part No.	Part Name & Descr	iption	Pes	Remarks
Ref. No.	C74HC125AF	IC	1	None No			M. RESISTOR CH 1/16#	47K	1	
103015, 16		10	2		R3067	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
	JN062M	10	1		R3068	ERJ3GEYJ105	M. RESISTOR CH 1/16W	198	1	
	C74HCO4AF	10	1		R3071	VRE0071E222	M. RESISTOR CH 1/16W	2. 2K	- 1	
103019, 20		IC	2		R3072	VRE0071E223	M. RESISTOR CH 1/16W	22K	1	· .
	(C62AP5002P	IC	1		R3073	VRE0071E751	M. RESISTOR CH 1/16W	750	1	
	10790JR	10	1		R3074	VRE0071E472	M. RESISTOR CH 1/16W	4. 7K	_1	
	C14053BF	IC	1		R3075	VRE0071E821	M. RESISTOR CH 1/16W	820	1	
	JM062M	IC	1		R3076	VRE0071E152	M. RESISTOR CH 1/16W	1.5K	1	
	(C82AP5002P	IC	1		R3077	ERJ3GEYJ681	M. RESISTOR CH 1/16W	680	_1	
	AD790JR	10	1		R3078	ERJ3GEYG822	M. RESISTOR CH 1/16W	8. 2K	1	
	C4W66F	IC	1		R3079	ERJ3GEYJ222	M. RESISTOR CH 1/16W	2. 2K	1	
	74ACO4SJ	10	1		R3080	ERJ3GEYJ681	M. RESISTOR CH 1/16W	680	1	
	XC62AP5002P	10	1		R3081	ERJ3GEYJ823	M. RESISTOR CH 1/16W	82K	1	
	EL4583CS	IC	1		R3082	VRE0071E103	M. RESISTOR CH 1/16W	10K	1	
	TK16031AM1	10	1		R3083	ERJ3GEYJ153	M. RESISTOR CH 1/16W	15K	1	
	MC74HCO4AF	10	1		R3084	ERJ3GEYJ105	M. RESISTOR CH 1/16W	1#	1	
	MC74HC153F	ic	1		R3085	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
10000			П		R3086	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	1	
L1, L2	VLQ0319K101	COIL 100UH	2		R3087	ERJ3GEYJ183	M. RESISTOR CH 1/16W	18K	1	
	VLQ0163J390	COIL 39UH	1		R3088	ERJ3GEYJ681	M. RESISTOR CH 1/16W	680	1	
	VLQ0319K101	COIL 100UH	7		R3091, 92	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	2	
	VLQ0319K101	COIL 100UH	2		R3094-97	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	4	,
	VLQ0163J221	COIL 220UH	1		R3103	VRE0071E153	M. RESISTOR CH 1/16W	15K	1	
	VLQ0319K101	COIL 1000H	2		R3104	VRE0071E392	M. RESISTOR CH 1/16W	3. 9K	1	
	VLQ0163J4R7	COIL 4. 78H	1		R3105	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	
20021			П		R3106	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
P3001	VJP3657	CONNECTOR (MALE)	1		R3107	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	
10001			П		R3108	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
Q3001	2SD1819A	TRANSISTOR	1		R3109	ERJ3GEYJ562	M. RESISTOR CH 1/16W	5. 6K	1	
	2SB1218A	TRANSISTOR	3		R3111, 12	ERJ3GEYJ222	M. RESISTOR CH 1/16W	2. 2K	2	
93005	2SD1819A	TRANSISTOR	1		R3114	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
Q3011	2SC3930-B	TRANSISTOR	1		R3115	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	
	2SA1532-B	TRANSISTOR	1		R3118	VRE0071E182	M. RESISTOR CH 1/16W	1. 8K	1	
03012	2SC3938-R	TRANSISTOR	1		R3120	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	
Q3013	2SA1532-B	TRANSISTOR	2		R3131	VRE0071E202	M. RESISTOR CH 1/16W	2K	1	
	2SB1218A	TRANSISTOR	1		R3132	VRE0071E243	M. RESISTOR CH 1/16W	24K	1	
03016		TRANSISTOR	H		R3133	VRE0071E103	M. RESISTOR CH 1/16W	10K	1	
Q3017	2SD1819A 2SB1218A	TRANSISTOR	1		R3134	VRE0071E221	M. RESISTOR CH 1/16W	220	1	
Q3018	2SD1819A	TRANSISTOR	1		R3135	ERJ3GEYJ562	M. RESISTOR CH 1/16W	5. 6K	1	
Q3023	23016194	INNESTSTOR	+		R3136	ERJ3GEYJ272	M. RESISTOR CH 1/16W		1	
D1 80	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	3		R3137	ERJ3GEYJ392	M. RESISTOR CH 1/16W		1	
R1-R3	VRE0071E911	M. RESISTOR CH 1/16W 910	1		R3138	ERJ3GEYG472	M. RESISTOR CH 1/16W		1	
R3001	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	+ †			ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	2	
R3002	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	l i		R3141	ERJ3GEYJ821	M. RESISTOR CH 1/16W	820	1	
R3003		M. RESISTOR CH 1/16W 10K	l i		R3142	ERJ3GEYJ471	M. RESISTOR CH 1/16W		1	
R3007	ERJ3GEYJ103 ERJ3GEY0R00	M. RESISTOR OH 1/16W 0	1		R3143	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	1	
R3008	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1		R3144	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
R3013		M. RESISTOR CH 1/16W 220K	1		R3145	ERJ3GEYJ222	M. RESISTOR CH 1/16W		1	
R3014	ERJ3GEYJ224 ERJ3GEYJ272		+ 1		R3146		M. RESISTOR CH 1/16W	10	1	
R3015		M. RESISTOR CH 1/16W 680	+ ;	·			M. RESISTOR CH 1/16W	0	2	
R3016		M. RESISTOR CH 1/16W 100K	1		R3150	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	
R3017	ERJ3GEYJ104	M. RESISTOR CH 1/16W 2.2K	1		R3156	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	
R3018	VRE0071E222	M. RESISTOR OH 1/16W 2.2K	1		R3158	ERJ3GEY0R00	M. RESISTOR ON 1/16W		1	
R3019	ERJ3GEYJ183	M. RESISTOR CH 1/16W 5.6K	+ †			ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	2	
R3022	ERJ3GEYJ562	M. RESISTOR CH 1/16W J. K	2		R3164	VRE0071E103	M. RESISTOR CH 1/16W		1	
R3023, 24	ERJ3GEYJ102 VRE0071E432	M. RESISTOR CH 1/16W 4. 3K	2		R3165	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	i	
R3025, 26		M. RESISTOR OH 1/16W 4. 5K	1		R3167	ERJ3GEYJ684	M. RESISTOR CH 1/16W		Ť	
R3027	VRE0071E152	M. RESISTOR CH 1/16W 2.7K	Hi		R3168	ERJ3GEYJ223	M. RESISTOR CH 1/16W		H	
R3028	VRE0071E272	M. RESISTOR CH 1/16W 470	+;		R3171	ERJ3GEYJ823	M. RESISTOR CH 1/16W		1	
R3029	ERJ3GEYJ471		H			ERJ3GEYJ221	M. RESISTOR CH 1/16W		2	
R3030	ERJ3GEYJ683		2		R3184	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
R3033, 34	VRE0071E153		1	}		ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	2	
R3035	VRE0071E512	M. RESISTOR CH 1/16W 5. 1K	1		R3197	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	
R3036	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1W	+			ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	2	
R3037	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1 1	H		VRE0071E101	M. RESISTOR CH 1/16W		3	
R3051	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1:	II-				0	1	
R3052	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1 1		R3206	ERJ3GEY0R00	M. RESISTOR CH 1/16W		2	
R3055, 56	VRE0071E153	M. RESISTOR CH 1/16W 15K	1 2	}-		 	M. RESISTOR CH 1/16W		-	
R3057	VRE0071E512	M. RESISTOR CH 1/16W 5. 1K	11		R3215	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	_1	
R3058	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1			ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	5	
R3059	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	11			ERJ3GEYJ473	M. RESISTOR CH 1/16W		2	
R3060, 61	VRE0071E103	M. RESISTOR CH 1/16W 10K	2		R3225	ERJ3GEYJ274	M. RESISTOR CH 1/16W		1	
R3062	ERJ3GEYJ122	M. RESISTOR OH 1/16W 1.2K	1		R3230		M. RESISTOR CH 1/16W	0		
R3063	VRE0071E103	M. RESISTOR CH 1/16W 10K	1		R3233-39		M. RESISTOR CH 1/16W	0	7	
R3064	VRE0071E133	M. RESISTOR CH 1/16W 13K	1		R3241	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	ļ
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Ref. No.	Part No.	Part Name & DescriptionPo	s Remarks	Ref. No.	Part No. Part Name & DescriptionPcs Remarks
		M. RESISTOR OH 1/16W 0	I KOMELI RO	C134	ECUX1H101JOV C. CAPACITOR CH 50V 100P 1
				C135	ECUX1H22OJCV C. CAPACITOR CH 50V 22P 1
	ERJ3GEYOROO		5	C136	ECUX1H270JCV C. CAPACITOR CH 50V 27P 1
R3258		M. RESISTOR CH 1/16W 0		0137	ECUX1H470JCV C. CAPACITOR OH 50V 47P 1
	ERJ3GEYOROO		2	G141	ECUX1H470JCV C. CAPACITOR OH 50V 47P 1
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	C142	ECST1CC336Z T. CAPACITOR CH 16V 33U 1
	ERJ3GEYOROO		2	C143	ECUX1H560JCV C. CAPACITOR OH 50V 56P 1
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	4	C145, 48	ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 2
		M. RESISTOR CH 1/16W 0	4	C165, 66	ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 2
R3285	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	C167	ECUX1H39OJCV C. CAPACITOR CH 50V 39P 1
R3290-92	ERJ3GEYOROO		3	C168	ECUX1HO7ODCV C. CAPACITOR CH 50V 7P 1
R3299	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	11	C169	ECUXIHIOIJCV C. CAPACITOR CH 50V 100P 1
R3309	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	0170	ECUX1H22OJCV C. CAPACITOR CH 50V 22P 1
R3334	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	G171	ECUX1H270JCV C. CAPACITOR CH 50V 27P 1
R3336-38	ERJ3GEYOROO		3	C172	ECUX1H470JCV C. CAPACITOR CH 50V 47P 1
R3340	ERJ3GEYOROO	M. RESISTOR OH 1/16W	1	G173	EGST1CC336Z T. CAPACITOR CH 16V 33U 1
R3345	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	C174	ECUX1H560JCV C. CAPACITOR CH 50V 56P 1
R3346	ERJ3GEYJ103	M. RESISTOR OH 1/16W 10K	11	0176, 77	ECST1CX108Z T. CAPACITOR CH 16V 10U 2
R3347	ERJ3GEYOROO		1	G202	ECST1CX1082 T. CAPACITOR CH 16V 10U 1
R3349	ERJ3GEYOROO		1	C206	ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1
				C207	ECUM1H680JCN C. CAPACITOR CH 50V 68P 1
TG30O1, 02	EVERCI	TEST POINT	2	C208	ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1
10001,02	211 000	1		C216	ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1
TP3001-03	EVERCII	TEST POINT	3	0217	EGST1CY225Z T. CAPACITOR CH 16V 2. 2U 1
TP3001-03		TEST POINT	4	G218	ECSTICXIOSZ T. CAPACITOR CH 18V 10U 1
TP3006-09	EYF6CU		1	C219	EGUX1E104ZFV G. CAPAGITOR CH 25V 0. 1U 1
			2	C220	ECST1CC336Z T. CAPACITOR CH 18V 33U 1
TP3013, 14		1.00	1	0221	ECUX1E104ZFV C. CAPACITOR CH 25V 0.1U 1
TP3016	EYF6CU	1001		0223	ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1
VR3002	EVW7JGA00B14	V. RESISTOR 10K	1	G224	ECST1CY225Z T. CAPACITOR CH 16V 2. 2U 1
			1	C225	ECEVOUNTOOQ E. CAPACITOR CH6. 3V 10U 1
VR3005	EVM7JGA00B53		2	G226	ECUX1E104ZFV C. CAPACITOR CH 25V 0. IU 1
	EVM7JGA00823 EVM7JGA00814		2	G227	ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 1
		V. RESISTOR 1K	2	C228	ECST10C336Z T. CAPACITOR CH 16V 33U 1
	VRV0161B102		3	C229	ECUXIHIO3KBV C. CAPACITOR OH 50V 0. 01U 1
VR32O1-03	VRV0161B202	V. RESISION 2N	3	C230	ECST1CY225Z T. CAPACITOR CH 16V 2. 2U 1
		CONCEAN COULTATOR	1	G231	ECEVOUNTOOQ E. CAPACITOR CH6. 3V 10U 1
X3002	VSX0788	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR	1	G232	ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1
X3003	VSX0270	CRYSTAL OSCILLATOR	1	G233	ECST1CC336Z T. CAPACITOR CH 16V 33U 1
X3004	VSX0689		1	C236-38	ECUXIHIO1JCV C. CAPACITOR CH 50V 100P 3
Х3006	VSX0887	OKTSTAL GOOTLEATON		G242	ECUM1C473KBV G. CAPACITOR CH 18V 0. 047U 1
	-	MISCELLANEOUS		C244-46	ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 3
	-	m1 SOELEMEOUS		C247	ECUX1H102JV C. CAPACITOR CH 50V 1000P 1
	VCDOLA	SCREW	2	V2-17	
	XSB2+6			0283	
		-		C263	ECST1CC336Z T. CAPACITOR CH 16V . 33U 1
1	 			C264	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1
■ E10	VED020524			C264 C265	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1
■ E12	VEP03D53A		1 (RTL)	C264 C265 C266	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1
■ E12	VEPO3D53A			C264 C265 C266 C268	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1
		VIDEO IF P. C. SOARD		C264 C265 C266	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2
C8	EQUX1E104ZFV	VIDEO IF P. C. SOARD C. CAPACITOR CH 25V 0. IU		C264 C265 C266 C268 C269, 70 C272	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 25V 0. 1U 1
C8 C12	EQUX1E104ZFV EQUX1E104ZFV	VIDEO IF P. C. SOARD C. CAPACITOR CH 25V O. IU C. CAPACITOR CH 25V O. 1U	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273	ECST1CC336Z
C8 G12 G13	ECUX1E104ZFV ECUX1E104ZFV ECST1CX106Z	VIDEO IF P. C. SOARD C. CAPACITOR CH 25V O. IU C. CAPACITOR CH 25V O. 1U T. CAPACITOR CH 16V 10U	1 (RTL) 1 1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1H104KBN C. CAPACITOR CH 50V 1000P 2 ECUX1H104KBN C. CAPACITOR CH 50V 1100P 1 ECUX1H180JCV C. CAPACITOR CH 50V 118P 1 ECUX1H190JCV C. CAPACITOR CH 50V 7P 1
C8 C12 C13 C14	ECUX1E104ZFV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV	VIDEO IF P. C. SOARD C. CAPACITOR CH 25V O. IU C. CAPACITOR CH 25V O. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V O. IU	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273	ECST1CC336Z
C8 C12 C13 C14 C15	EGUX1E104ZFV EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST10X106Z	VIDEO IF P. C. 80ARD C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. 1U T. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0.01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0.01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0.01U 1 ECUX1H103LV C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 0.1U 1 ECUX1H103LV C. CAPACITOR CH 50V 1000P 2 ECUX1H103CJC C. CAPACITOR CH 50V 18P 1 ECUX1H103OCV C. CAPACITOR CH 50V 18P 1 ECUX1H070DCV C. CAPACITOR CH 50V 32P 1 ECUX1H2CJC C. CAPACITOR CH 50V 32P 1 ECUX1H104KBN C. CAPACITOR CH 50V 32P 1
C8 C12 C13 C14 C15 C18	ECUX1E104ZFV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U T. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. 1U	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 10 U 1 ECUX1H180JCV C. CAPACITOR CH 50V 7P 1 ECUX1H20JCV C. CAPACITOR CH 50V 7P 1 ECUX1E104KBN C. CAPACITOR CH 50V 82P 1 ECUX1E104KBN C. CAPACITOR CH 50V 82P 1 ECUX1E104KBN C. CAPACITOR CH 50V 10 U 1 ECUX1E104KBN C. CAPACITOR CH 50V 10 U 1 ECUX1E104KBN C. CAPACITOR CH 25V 0. 1U 1 ECUX1E104KBN C. CAPACITOR CH 25V 0. 1U 1
C8 C12 C13 C14 C15 C18 C19	EOUX1E104ZFV EOUX1E104ZFV EOST10X106Z EOUX1E104ZFV EOST10X106Z EOUX1E104ZFV EOST10X106Z	C. CAPACITOR CH 25V O. IU C. CAPACITOR CH 25V O. IU C. CAPACITOR CH 25V O. IU T. CAPACITOR CH 25V O. IU C. CAPACITOR CH 25V O. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U	1 (RTL) 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 6V 10U 1 ECUX1H103KBV C. CAPACITOR CH 6V 0.01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103LV C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 1000P 2 ECUX1H180JCV C. CAPACITOR CH 50V 0. 1U 1 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1 ECUX1H20JCV C. CAPACITOR CH 50V 3P 1 ECUX1H20JCV C. CAPACITOR CH 50V 18P 1 ECUX1H20JCV C. CAPACITOR CH 50V 19P 1 ECUX1E104KBN C. CAPACITOR CH 50V 19P 1 ECUX1E104KBN C. CAPACITOR CH 50V 19P 1 ECUX1E104KBN C. CAPACITOR CH 50V 19P 1 ECUXIE104KBN C. CAPACITOR CH 50V 0. 1U 1 ECUXIH103KBV C. CAPACITOR CH 50V 0. 1U 1
G8 G12 G13 G14 G15 G18 G19 G26	ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 15V 0. IU C. CAPACITOR CH 15V 0. IU C. CAPACITOR CH 25V 0. IU	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1H103LV C. CAPACITOR CH 50V 1000P 2 ECUX1H180JCV C. CAPACITOR CH 50V 1000P 1 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1 ECUX1H070DCV C. CAPACITOR CH 50V 7P 1 ECUX1H070DCV C. CAPACITOR CH 50V 32P 1 ECUX1H104KBN C. CAPACITOR CH 50V 10 10 ECUX1H104KBN C. CAPACITOR CH 50V 10 11 ECUX1H104KBN C. CAPACITOR CH 50V 0. 1U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 5 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 3
C8 G12 G13 G14 G15 G18 G19 G26 G27	ECUX1E104ZFV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U	1 (RTL) 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1H102LV C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 110 1 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1 ECUX1H820JCV C. CAPACITOR CH 50V 32P 1 ECUX1E104KBN C. CAPACITOR CH 50V 0. 1U 1 ECUX1E104KBN C. CAPACITOR CH 50V 0. 1U 1 ECUXIE104KBN C. CAPACITOR CH 50V 0. 1U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 5 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 3 VOKO152 C. CAPACITOR CH 50V 0. 01U 3
C8 G12 G13 G14 G15 G18 G19 G26 G27 G31	ECUX1E104ZFV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 1000P 2 ECUX1H180JCV C. CAPACITOR CH 50V 110 1 ECUX1H180JCV C. CAPACITOR CH 50V 118P 1 ECUX1H180JCV C. CAPACITOR CH 50V 7P 1 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1 ECUX1H180JCV C. CAPACITOR CH 50V 32P 1 ECUX1H180JCV C. CAPACITOR CH 50V 32P 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIH103KBV C. CAPACITOR CH 50V 0. 01U 5 ECUXIH103KBV C. CAPACITOR CH 50V 0. 01U 5 ECUXIH103KBV C. CAPACITOR CH 50V 0. 01U 3 VCK0152 C. CAPACITOR CH 50V 0. 01U 1
G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33	EGUX1E104ZFV EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECST1CX106Z T. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 6V 10U 1 ECST1CX106Z T. CAPACITOR CH 6V 10U 1 ECUXHITO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHITO3KBV C. CAPACITOR CH 50V 1000P 2 ECUXHIT02JV C. CAPACITOR CH 50V 1000P 2 ECUXHIT02JV C. CAPACITOR CH 50V 1000P 2 ECUXHIT00JCV C. CAPACITOR CH 50V 1000P 1 ECUXHIT00JCV C. CAPACITOR CH 50V 18P 1 ECUXHIT00JCV C. CAPACITOR CH 50V 18P 1 ECUXHET04KBN C. CAPACITOR CH 50V 18P 1 ECUXHET04KBN C. CAPACITOR CH 50V 10 10 1 ECUXHIT03KBV C. CAPACITOR CH 50V 10 10 1 ECUXHIT03KBV C. CAPACITOR CH 50V 0. 10 1 ECUXHIT03KBV C. CAPACITOR CH 50V 0. 10 1 ECUXHIT03KBV C. CAPACITOR CH 50V 0. 01U 5 ECUXHIT03KBV C. CAPACITOR CH 50V 0. 01U 5 ECUXHIT03KBV C. CAPACITOR CH 50V 0. 01U 3 ECUXHIT03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHIT03KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CC336Z T. CAPACITOR CH 50V 0. 01U 1
G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33 G34	EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGST10X106Z EGUX1E104ZFV EGST10X106Z EGUX1E104ZFV EGST10X106Z EGUX1E104ZFV EGST10X106Z EGUX1E104ZFV EGGT10XI70Z EGUX1E104ZFV EGGT10XI70Z	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406 C407	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 6V 10U 1 ECUXIHIO3KBV C. CAPACITOR CH 6V 0.01U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 1000P 2 ECUXIHI03KBV C. CAPACITOR CH 50V 1000P 2 ECUXIHI03KBV C. CAPACITOR CH 50V 1000P 2 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 7P 1 ECUXIHI03KBV C. CAPACITOR CH 50V 82P 1 ECUXIHI03KBV C. CAPACITOR CH 50V 82P 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 5 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1
C8 C12 C13 C14 C15 C18 C19 C26 C27 C31 C33 C34 C55	EGUX1E104ZFV EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U T. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 18V 10U T. CAPACITOR CH 18V 10U T. CAPACITOR CH 18V 10U T. CAPACITOR CH 18V 10U	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406 C407 C408, 09	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECST1CX108Z C. CAPACITOR CH 50V 0. 01U 1 ECST1CX108Z T. CAPACITOR CH 6V 10U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 1000P 2 ECUXHIBOJOV C. CAPACITOR CH 50V 1000P 2 ECUXHIBOJOV C. CAPACITOR CH 50V 11U 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIBOJOV C. CAPACITOR CH 50V 18P 1 ECUXHIO3KBV C. CAPACITOR CH 50V 10 1 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 3 VCKO152 C. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 1
G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33 G34 G55 G57	EGUX1E104ZFV EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGST1CX106Z EGUX1E104ZFV	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 G307-09 C403, 04 C405 C406 C407 C408, 09 C410	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 1000P 2 ECUXIE104KBN C. CAPACITOR CH 50V 1000P 2 ECUXIHI80JCV C. CAPACITOR CH 50V 1000P 1 ECUXIHI80JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00DCV C. CAPACITOR CH 50V 7P 1 ECUXIHI00DCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00DCV C. CAPACITOR CH 50V 32P 1 ECUXIHI00KBN C. CAPACITOR CH 50V 10 1 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 3 VOKO152 C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0. 01U 2 VOKO151 C. CAPACITOR CH 50V 0. 01U 2
G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33 G34 G55 G57 G84	EGUX1E104ZFV EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU	1 (RTL) 1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406 C407 C408, 09 C410 C411-13	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1H103LV C. CAPACITOR CH 50V 1000P 2 ECUX1H180JCV C. CAPACITOR CH 50V 1000P 2 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1 ECUX1H070DCV C. CAPACITOR CH 50V 7P 1 ECUX1H103KBV C. CAPACITOR CH 50V 32P 1 ECUX1E104KBN C. CAPACITOR CH 50V 32P 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIH103KBV C. CAPACITOR CH 50V 0. 01U 2 VCK0151 C. CAPACITOR CH 50V 0. 01U 2 VCK0151 C. CAPACITOR CH 50V 0. 01U 3
G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33 G34 G55 G57 G84 G65	EGUX1E104ZFV ECUX1E104ZFV ECST1CX106Z EGUX1E104ZFV ECGUX1E104ZFV ECGUX1E104ZFV ECGUX1E104ZFV ECGUX1E104ZFV ECGUX1E104ZFV ECGUX1E104ZFV	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 16V 10U T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU	1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406 C407 C408, 09 C410 C411-13 C414	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECST1CX106Z T. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 6V 10U 1 ECST1CX106Z T. CAPACITOR CH 6V 10U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 1000P 2 ECUXIHI02JV C. CAPACITOR CH 50V 1000P 2 ECUXIHI02JV C. CAPACITOR CH 50V 1000P 2 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 7P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 18P 1 ECUXIHI00JCV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI00JCV C. CAPACITOR CH 50V 0. 1U 1 ECUXIHI00JCV C. CAPACITOR CH 50V 0. 01U 2 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3
G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33 G34 G55 G57 G84 G65 G87	EGUX1E104ZFV EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV EGST1CX106Z EGUX1E104ZFV	C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU	1 (RTL) 1 (RTL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C264 C265 C268 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406 C407 C408, 09 C411-13 C414 C415-17	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 16V 10U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUX1H103KBV C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 1000P 2 ECUX1E104KBN C. CAPACITOR CH 50V 1000P 2 ECUX1H180JCV C. CAPACITOR CH 50V 18P 1 ECUX1H20JCV C. CAPACITOR CH 50V 7P 1 ECUX1H20JCV C. CAPACITOR CH 50V 18P 1 ECUX1E104KBN C. CAPACITOR CH 50V 18P 1 ECUX1E104KBN C. CAPACITOR CH 50V 19 1 ECUX1E104KBN C. CAPACITOR CH 50V 18P 1 ECUX1H103KBV C. CAPACITOR CH 50V 18P 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUX1H103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXIH103KBV C. CAPACITOR CH 50V 0. 01U 5 ECUXIH103KBV C. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C336Z T. CAPACITOR CH 50V 0. 01U 2 VCKO151 C. CAPACITOR CH 50V 0. 01U 2 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3
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G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33 G34 G55 G57 G84 G65 G87 G89 G111 G112 G113 G114, 15 G124, 25 G130, 31	EGUX1E104ZFV EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1H103KBV	C. CAPACITOR CH 25V 0. III C. CAPACITOR CH 25V 0. III C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U T. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU T. CAPACITOR CH 50V 0. OIU T. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU T. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU T. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU C. CAPACITOR CH 50V 0. OIU	1 (RTL) 3	C264 C265 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406 C407 C408, 09 C410 C411-13 C414 C415-17 C602 C605, 06 C608 C609 C610 C611 C611	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECST1CX106Z T. CAPACITOR CH 50V 0. 01U 1 ECST1CX106Z T. CAPACITOR CH 6V 10U 1 ECUXHIO3KBV C. CAPACITOR CH 6V 0. 01U 1 ECUXHIO3KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 1000P 2 ECUXHI103KBV C. CAPACITOR CH 50V 1000P 2 ECUXHI103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHI103KBV C. CAPACITOR CH 50V 82P 1 ECUXHI103KBV C. CAPACITOR CH 50V 82P 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 1U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 3 VCKO152 C. CAPACITOR CH 50V 0. 01U 1 ECST1C0336Z T. CAPACITOR CH 50V 0. 01U 1 ECST1C0336Z T. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 2 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 2 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 3 VCKO151 C. CAPACITOR CH 50V 0. 01U 3 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 3 CUXHI103KBV C. CAPACITOR CH 50V 0. 01U 3 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 2 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1 ECUXHI103KBV C. CAPACITOR CH 50V 0. 01U 1
G8 G12 G13 G14 G15 G18 G19 G26 G27 G31 G33 G34 G55 G57 G84 G65 G87 G89 G111 G112 G113 G114, 15 G124, 25 G130, 31 G132	EGUX1E104ZFV EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGST1GX106Z EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1E104ZFV EGUX1H103KBV	C. CAPACITOR CH 25V 0. III C. CAPACITOR CH 25V 0. III C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U T. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 18V 10U C. CAPACITOR CH 25V 0. III T. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU T. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 25V 0. IU C. CAPACITOR CH 50V 0. OIU	1 (RTL) 3	C264 C265 C266 C266 C268 C269, 70 C272 C273 C274 C275 C276 C279 C301-05 C307-09 C403, 04 C405 C406 C407 C408, 09 C410 C411-13 C414 C415-17 C602 C609 C609 C611 C611 C612	ECST1CC336Z T. CAPACITOR CH 16V 33U 1 ECST1CX106Z C. CAPACITOR CH 16V 10U 1 ECST1CX106Z T. CAPACITOR CH 16V 10U 1 ECUXIHIO3KBV C. CAPACITOR CH 16V 10U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHIO3KBV C. CAPACITOR CH 50V 1000P 2 ECUXIHI03LV C. CAPACITOR CH 50V 1000P 2 ECUXIHI80JCV C. CAPACITOR CH 50V 10U 1 ECUXIHI80JCV C. CAPACITOR CH 50V 10U 1 ECUXIHI80JCV C. CAPACITOR CH 50V 10U 1 ECUXIHI80JCV C. CAPACITOR CH 50V 10U 1 ECUXIHI80JCV C. CAPACITOR CH 50V 10U 1 ECUXIHI80JCV C. CAPACITOR CH 50V 10U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 10U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.1U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 VCKO152 C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 2 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 2 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 3 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1 ECUXIHI03KBV C. CAPACITOR CH 50V 0.01U 1

Ref. No.			_				Т	_	AJ-DOUUI
	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
		C. CAPACITOR CH 50V 27P	1		L104	VLQ0319K101	COIL 100UH	1	
C616	FOUX 1H470JCV	C. CAPACITOR CH 50V 47P	1		L106	VLQ0426J820	COIL 82UH	1	
C617		T. CAPACITOR CH 16V 33II	1		L107	VLQ0426J680	CG1L 68UH		
		C. CAPACITOR CH 50V 56P	1		L110	VLQ0426J820	COIL 82UH		
C618		C. CAPACITOR CH SOV O. 01U	l i		L111	VLQ0426J680	COIL 68UH	1	
C620			1		L204-06	VLQ0319K101	COIL 100UH	⊢	3
C623			₩.			+	COIL 100UH	Η.	
		T. CAPACITOR CH 16V 10U	1		L262	VLQ0319K101		١.	
C625		C. CAPACITOR OH 50V 39P	1		L264	VLQ0163J221	COIL 220UH		
C626	ECUX 1HO70DCV	G. CAPACITOR CH 50V 7P	1		L300-07	VLP0155	COIL	L	
C627	ECUX 1H 101 JCV	C. CAPACITOR OH 50V 100P	1		L309-19	VLP0155	COIL	1	1
C628	ECUX1H220JCV	C. CAPACITOR CH 50V 22P	1		L402	VLQ0464K6R8	COIL 6. SUH	Ŀ	ı
C629	ECUX 1H270JCV	C. CAPACITOR OH 50V 27P	1		L602	VLQ0163J390	COIL 39UH		
C630		C. CAPACITOR CH 50V 0. 01U	1		L603	VLQ0319K101	COIL 100UH		
		C. CAPACITOR CH 50V 47P	1		L604	VLQ0426J820	COIL 82UH	1	1
Ç631			+		L605	VLQ0426J680	COIL 68UH	1	
C632			+ :		L607	+	COIL 100UH	1	
C633		C. CAPACITOR CH 50V 56P	₽;			VLQ0319K101		1	
C635, 36		C. CAPACITOR CH 50V 22P	2		L608	VLQ0426J820	COIL 82UH	-	`
C637		C. CAPACITOR CH 50V 0. 01U	1		L609	VLQ0426J680	COIL 68UH	L	
C638	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1		L611, 12	VLQ0426J470	COIL 47UH	Ŀ	2
C640	ECUX1H103KBV	C. CAPACITOR CH 50V O. 01U	1		L613	VLQ0426J180	COIL 18UH	L	1
C641		C. CAPACITOR CH 50V 150P	1		L614	VLQ0426J560	COIL 56UH		1
C642		C. CAPACITOR CH 50V 560P	1		L618	VLQ0319K101	COIL 100UH	T	
C643, 44	ECST1CC336Z	T. CAPACITOR CH 16V 33U	2					Г	
		C. CAPACITOR CH 16V III	2		P1	VJP3657	CONNECTOR (MALE)	T.	1
C645, 46			1		P2	VJP3819E100	CONNECTOR (MALE)	H	
C647		C. CAPACITOR CH 25V 0. 047U	-		—			+	
C648, 49		C. CAPACITOR CH 25V O. 1U	2		P101	VJP33580012	CONNECTOR (MALE)	\vdash	'
C650			11					\vdash	
C651		C. CAPACITOR CH 25V 0. 1U	1		Q87	2SB1114	TRANSISTOR	Ľ	
C652	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		Q91	2SD1280-S	TRANSISTOR	Ľ	
C653	ECUX1E104ZFV	G. CAPACITOR CH 25V 0. 1U	1		Q92	2SB1218A-R	TRANSISTOR	L	
C654			1		Q101	2SB1218A-R	TRANSISTOR	Γ	1
C655		C. CAPACITOR CH 25V 0. 1U	1		Q102	2SD1819A-R	TRANSISTOR	1	
C656	ECST1GC336Z	T. CAPACITOR CH 16V 33U	1		0103	2SB1218A-R	TRANSISTOR	1	
		C. CAPACITOR CH 50V 0. 01U	2		Q107	2SB1218A-R	TRANSISTOR		
C657, 58	1	C. CAPACITOR OH SOV 15P	1		Q108	2SA1532-B	TRANSISTOR	t.	
C664			+-		0109			1	
C667		C. CAPACITOR CH 25V O. 1U	1			2SB1218A-R	TRANSISTOR	+	
C668	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		Q113	2SB1218A-R	TRANSISTOR	L	
C670	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1		Q114, 15	2SA1532-B	TRANSISTOR	1	
C672	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1		Q116	2SD1819A-R	TRANSISTOR	Ľ	1
					Q201	2SD1819A-R	TRANSISTOR	Ŀ	ti
D201	MA142K	DIODE	1		Q601-06	2SD1819A-R	TRANSISTOR	Г	3
			П		9607	2SA1532-B	TRANSISTOR		
DL.602	VLD0265	DELAY LINE	1		Q608	2SD1819A-R	TRANSISTOR	1	1
DEGOZ	VED-02-04		Ħ		9609	2SA1532-B	TRANSISTOR	1	
	VLF09410223	FILTER	3		Q610-12	2SB1218A-R	TRANSISTOR	t	
FL2-L4			1		Q613-15	2SD1819A-R	TRANSISTOR		
FL101	VLF1179	FILTER	-					1	
FL601	VLF1179	FILTER	1		Q616	2SB1218A-R	TRANSISTOR	H	
FL602	VLF1337	FILTER	1					-	
			ـــــ		QR88	UN5213	TRANSISTOR-RESISTOR	L	
105	XC62DN5002P	IC	1		QR301	UN5213	TRANSISTOR-RESISTOR		<u> </u>
108	XC62AP5002P	10	\perp_1					L	
108	XC62DN5002P	10	1		R14	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0		
109	XG62AP3002P	10	1		R21	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0		
10101, 02		10	2		R44	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	T	
10101, 02	AD817AR	10	1		R83	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
			1		R84		M. RESISTOR OH 1/16W 1.5K		
								-	
10104	TC4W53FU	10	-		R01	FR.130EV.1472	IN RESISTOR ON 1/100 ATM	1 1	<u> </u>
10104 10105	TC4W53FU AD826AR	IC IC	1		R91	ERJ3GEYJ473	M. RESISTOR OH 1/16W 47K	1	1 \$
10104 10105 10201	TC4W53FU AD826AR EL4583CS	1C 1C	1		R92	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
10104 10105 10201 10202	TC4W53FU AD826AR EL4583CS TC7W14FU	1C 1C 1C	1 1		R92 R99	ERJ3GEYG332 ERJ3GEYJ473	M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 47K	1	
10104 10105 10201	TC4W53FU AD826AR EL4583CS TC7W14FU CXD1176Q	1C 1C 1C	1 1 1 2		R92 R99 R102	ERJ3GEYG332 ERJ3GEYJ473 ERJ3GEYOROO	M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 0	1	
10104 10105 10201 10202	TC4W53FU AD826AR EL4583CS TC7W14FU	1C 1C 1C	1 1 2 1		R92 R99 R102 R103	ERJ3GEYG332 ERJ3GEYJ473 ERJ3GEYOROO ERJ3GEYG472	M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 4. 7K	1	
10104 10105 10201 10202 10207, 08	TC4W53FU AD826AR EL4583CS TC7W14FU CXD1176Q	1C 1C 1C	1 1 1 2		R92 R99 R102	ERJ3GEYG332 ERJ3GEYJ473 ERJ3GEYOROO ERJ3GEYG472 ERJ3GEYJ102	M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 0	1	
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1C104 1C105 1C201 1C202 1C207, 08 1C209 1C212	TC4W53FU AD826AR EL4583CS TC7W14FU CXD11760 XC62AP5002P CXD11760	1C 1C 1C 1C 1C	1 1 2 1		R92 R99 R102 R103 R105	ERJ3GEYG332 ERJ3GEYJ473 ERJ3GEYOROO ERJ3GEYG472 ERJ3GEYJ102	M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 47K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 4. 7K M. RESISTOR CH 1/16W 1K	1	
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Ref. No.		Part Name & Description	Pcs Remarks	Ref. No. R412	Part No. ERJ3GEYJ153	Part Name & Description RESISTOR CH 1/16W 15K	nre	Remarks
		RESISTOR CH 1/16W 1K	9	R413	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	۲,	
		RESISTOR OH 1/16W 470	1	R414-16	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1 3	
		I. RESISTOR CH 1/16W 22K	1	R417	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	Ti	
		N. RESISTOR CH 1/16W II	2	R418	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
		M. RESISTOR CH 1/16W 330	1	R426, 27	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1 2	
		M. RESISTOR CH 1/16W 2.7K	1	R505	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
		M. RESISTOR CH 1/16W 0	1	R601	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
		M. RESISTOR CH 1/16W 1. 2K	1	R603	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
		M. RESISTOR CH 1/16W 4.7K	1	R605	ERJ3GEYJ222	#. RESISTOR CH 1/16W 2.2K	1	
		M. RESISTOR CH 1/16W 2.2K	1	R606	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
		M. RESISTOR CH 1/16W 1K	1	R607	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	T	
		M. RESISTOR CH 1/16W 1.5K	2	R608	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
		M. RESISTOR CH 1/16W 470	1	R609	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
		M. RESISTOR CH 1/16W 22K	1	R610	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R154, 55	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	R611	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R156	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	_1	R612	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K		
R157	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	R614, 15	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	12	
R160	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	R616	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R163		M. RESISTOR CH 1/16W 1K	1	R619	ERJ3GEYOROO	M. RESISTOR CH 1/16W D	1	
		M. RESISTOR CH 1/16W 1K	1	R620	VRT014116250		1	
		M. RESISTOR CH 1/16W 0	1	R622	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	11	
		M. RESISTOR CH 1/16W 5. 6K	1	R623	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
		M. RESISTOR CH 1/16W 1.5K	2	R624	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	+!	ļ
		M. RESISTOR CH 1/16W 1K	1	R625	ERJ3GEYJ471	M. RESISTOR OH 1/16W 470	+!	
		M. RESISTOR CH 1/16W 6.8K	1	R626	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	+!	
		ML RESISTOR CH 1/16W 82K	1	R627	ERJ3GEYJ102 ERJ3GEYJ471	M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 470	1 2	
		M. RESISTOR CH 1/16W 3.3K	1	R628, 29 R631	ERJ3GEYJ471 ERJ3GEYOROO	M. RESISTOR CH 1/16W 4/0	1	
		M. RESISTOR CH 1/16W 22K M. RESISTOR CH 1/16W 100	1	R632	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	+;	
		M. RESISTOR CH 1/16W 1K	1	R633, 34	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1 2	
		M. RESISTOR CH 1/16W 0	1	R635, 36	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
		M. RESISTOR CH 1/16W 0	1	R637	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	+;	·
R211		M. RESISTOR OH 1/16W 22K	1	R638	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	+	
R213 R215		M. RESISTOR CH 1/16W 0	1	R639, 40	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1 2	
R216		M. RESISTOR CH 1/16W 4.7K	1	R641	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
		M. RESISTOR CH 1/16W 6.8K	1	R642	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
		M. RESISTOR CH 1/16W 75	1	R645	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R219		M. RESISTOR OH 1/16W 1K	1	R646, 47	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R223		M. RESISTOR CH 1/16W 15K	1	R648, 49	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	2	
R225		M. RESISTOR CH 1/16W 220	1	R650	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
		M. RESISTOR CH 1/10W 3.3M	2	R651	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R228		M. RESISTOR CH 1/16W 75	1	R652, 53	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
R229		M. RESISTOR CH 1/16W 10K	1	R654	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R231	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	R655	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R232	VRE006607103	M. RESISTOR CH 1/10W 10K	1	R656	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	11	
R234, 35	ERJ6GEYJ335	M. RESISTOR CH 1/10W 3.3M	2	R658	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	
R236		M. RESISTOR CH 1/16W 75	1	R660	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R237		M. RESISTOR CH 1/16W 10K	1	R661	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	
R239		M. RESISTOR CH 1/16W 6.8K	1	R663	VRE0071E102	M. RESISTOR CH 1/16W 1K	+-!	
R241		M. RESISTOR CH 1/10W 10K	1	R665	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	+ !	
R242, 43		M. RESISTOR OH 1/10W 3.3M	2	R666		M. RESISTOR CH 1/16W 470 M. RESISTOR CH 1/16W 0	+:	
R244		M. RESISTOR OH 1/16W 0	1	R667 R668, 69		M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/16W 240	1 2	
R268		M. RESISTOR CH 1/16W 680K	11	R671		M. RESISTOR CH 1/16W 1K	+	
R272		M. RESISTOR CH 1/16W 2.2K	1	R675, 76	+	M. RESISTOR CH 1/16W 1K	1 2	
R273		M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 0	1	R677		M. RESISTOR CH 1/16W 27K	1	
R303		M. RESISTOR ON 1/16W 0	3	R678, 79		M. RESISTOR CH 1/16W 18K	1 2	
R307-09		M. RESISTOR CH 1/16W 1K	3	R680		M. RESISTOR CH 1/16W 27K	1	
R313-15		M. RESISTOR CH 1/16W D	1	R681	VRE0071E221	M. RESISTOR CH 1/16W 220	1	
R316		M. RESISTOR CH 1/16W 1K	2	R682		M. RESISTOR CH 1/16W 1K	ti	
R320, 21 R323		M. RESISTOR CH 1/16W 0	1	R683		M. RESISTOR CH 1/16W 120	1	
R324, 25		M. RESISTOR CH 1/16W 1K	2	R684	VRE0071E221	M. RESISTOR CH 1/16W 220	1	
R326, 27		M. RESISTOR CH 1/16W 0	2	R685	VRE0071E332	M. RESISTOR CH 1/16W 3.3K	1	
R328		M. RESISTOR CH 1/16W 1K	1	R686	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R329		M. RESISTOR CH 1/16W 47K	1	R687	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	
R330		M. RESISTOR CH 1/16W 0	1	R688	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100		
R332		M. RESISTOR CH 1/16W D	1	R689	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R334		M. RESISTOR CH 1/16W Q	1	R690	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R335		M. RESISTOR CH 1/16W 10K	1	R693	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R336		M. RESISTOR CH 1/16W 0	1	R694	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R401-08		COMB1. R-R 150	8	R695	VRT014182150	THERMISTOR	I	
R409		M. RESISTOR CH 1/16W 0	1	R696, 97	VRE0071E132	M. RESISTOR CH 1/16W 1.3K	2	
R410		M. RESISTOR CH 1/16W 5. 6K	1	R698, 99	ERJ3GEYOROO	M. RESISTOR CH 1/16W G	2	
R411		M. RESISTOR CH 1/16W 10K	1	R700	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
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VEPO3D84A VEPO6A22C

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			D	Pamoriko P.	lef. No.	Part No.	Part Name & Description	Pes	Remarks
Ref. No.		Part Name & Description					M. RESISTOR CH 1/16W 0	1	Road III
R701	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	_1	R1					
R703	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	_1	R1			M. RESISTOR CH 1/16W 0	-	ļ
	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	R2	26-33	EXB24V151JX	COMBI. R-R 150	8	
111000		M. RESISTOR CH 1/10W 180	2	R3	35-42	EXB24V151JX	COMBI. R-R 150	8	
K801, UZ	AKEOOO-ICIOI		H	R4	46, 47	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	
		TEAT DOLLIE					M. RESISTOR CH 1/16W 150	2	
TG1	EYF6CU	TEST POINT					M. RESISTOR CH 1/16W 0	3	
			Ш					۳,	
TP207, 08	EYF6CU	TEST POINT	2				M. RESISTOR CH 1/16W 470		
	EYF6CU	TEST POINT	1	R2	220	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	_ 1	
	EYF6CU	TEST POINT	7	R2	221	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	· · · · · · · · · · · · · · · · · · ·
		TEST POINT	1	R2	251	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
TP601	EYF6CU	TEST FORM	H				M. RESISTOR CH 1/16W 1M	1	
			-				M. RESISTOR CH 1/16W 0	H	
VC601	VCV0047	TRIMMER	1					 	,
				R2	274		M. RESISTOR CH 1/16W 0		
VR104	EVM7JGA00B23	V. RESISTOR 2K	1	R2	276	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
	EVM7JGA00B23		2	R2	278	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
	EVM7JGA00B23		2	R	280	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
			-				M. RESISTOR CH 1/16W 0	2	
VR201	EVM7JGA00B14							1	
VR602	EVM7JGA00B53	V. RESISTOR 5K	1				M. RESISTOR CH 1/16W 33K	Η'	
VR603	EVM7JGA00B13	V. RESISTOR 1K	L 1	R	286		M. RESISTOR CH 1/16W 1M	1	
VR604	EVM7JGA00822		1	R	287	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	_1	
	EVM7JGA00B13		1	R	288	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
VR605			H						
VR607	EVM7JGA00B14		+ 1		D201 C2	EVERC	TEST DOINT	3	
VR608	EVM7JGA00B53		1		P201-03	ETPOGU	TEST POINT	۱,3	
VR609. 10	EVM7JGA00B23	V. RESISTOR 2K	2					<u> </u>	
			Γ	X	201	VSX0677	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS	1					Ī	
	 	m. 500000	1					Γ.	
	ļ	 	+-		E14	VEDORAGO	VEDORA22C	٠,	(RTL)
	XSB2+6	SCREW	2	_ •	E14	VEP06A22C	VEP06A22C	⊢-'	WIT.
								L	
			Γ			· ·			
B 510	VEPO3D84A	VIDEO I/F SUB P. C. BOARD	1	(RTL) C	6001	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	
■ E13	VEF CODO-IA	11020 171 000 110 20 00	<u> </u>		6002	FCUX1E104ZEV	C, CAPACITOR CH 25V 0.1U	1	
			╂				E CAPACITOR CH 16V 10U		
			↓		6003			<u>'</u>	
02, 03	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	2	Ci			C. CAPACITOR CH 25V 0.1U	1 2	
C6	ECUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	C	6006, 07	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	_2	
C20	ECHYTH390JCV	C. CAPACITOR CH 50V 39P	1	C	6008, 09	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	2	
		C. CAPACITOR CH 50V 0. 01U	5	C	8010	ECUX1H470JCV	C. CAPACITOR OH 50V 47P	1	
C21-25			1		6012-19		C. CAPACITOR CH 25V O. 1U	8	
C28			+ :					-	
C2O3	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	₽.					-	
0204	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		8023		C. CAPACITOR CH 50V 12P	⊢'	
C2O9-11	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3		8101	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1	
C212	FCUM1C474KBM	C. CAPACITOR CH 16V 0. 47U	1	O	8102	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	1	0	8103	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1	
0213			2	C	8104-06	ECUX1E104ZEV	C. CAPACITOR CH 25V 0. 1U	3	
C234, 35	ECUX1H103KBV		-				C. CAPACITOR OH 25V 0. 1U	9	
0243		C. CAPACITOR CH 50V 0. 01U	1					<u>.</u>	
0250	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1				E. CAPACITOR CH6. 3V 47U	⊢':	
C251	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1		8211		C. CAPACITOR CH 25V 0. 1U	<u> </u>	
C252	ECUX1H103KBV	C. CAPACITOR OH 50V 0. 01U	1	•	8213-17	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	5	
C253	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1	0	6801, 02	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2	L
		C. CAPACITOR CH 50V 0. 01U	1	0	8803. O4	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	2	
C254			H				C. CAPACITOR CH 25V O. 1U	3	
C280	ECST1CC336Z	T. CAPACITOR CH 16V 33U	╁.				C. CAPACITOR OH 50V 27P	H	t
			+		6809			⊢;	
D203, 04	MA704	DIODE	2				C. CAPACITOR CH 50V 22P	1	
					28811		C. CAPACITOR CH 25V O. IU	\perp 1	
101	T160G41-1437	IC	1		26812	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	\perp 1	
	CG25123-5106		1	0	26813, 14	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	2	
103			1		26815		C. CAPACITOR CH 50V 1000P	1	
1C4	CY7C19920ZC	10	-					H	
107	TC7SO4FU	10	1		26816	-		Η,	
IC10	CY7C19920ZC	10	1		26817		E. CAPACITOR CH 16V 10U	1	
10203	TCVHCO4FS	IC	1		26818	ECEVICN100Q	E. CAPACITOR CH 16V 10U	1	
10205	TC7W125FU	10	1	C	6819	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	L 1	
	NJMO62M	10	Ti	C	6820	ECUMIC105ZFN	C. CAPACITOR CH 16V 1U	1	
10206			ti				E. CAPACITOR OH 16V 10U	2	
10211	TC7SH00FU	IC	-					Η-	
10213	XC82AP5002P	10	L		10001	MATRICE	DIADE	<u> </u>	-
			┺		06001		DIODE	┞-¹	
L201-03	VLQ0319K101	COIL 100UH	3	D	06002-04		DIODE	3	
L207	VLP0155	COIL	П	D	06007-09	MA728	DIODE	3	
	VLQ0319K101	COIL 100UH	1		08021	MA151K	DIODE	1	
L208	AFA0218U101	1001	+ '		06801		DIODE	H	1
			+	<u> </u>				⊢-¦	
	VJS3819E100	CONNECTOR (FEMALE)	11		06802	MA8024	DIODE	_1	
P3	10000104100	1	1					L	
	70000102100				00001	BITTOROALED	IC	1	
P3		M. RESISTOR CH 1/16W 0	1 2	Į.	C6001	E2770284AFP	10		
P3 R7, R8	ERJ3GEY0R00		-			200		1	
P3 R7, R8 R9	ERJ3GEY0R00 ERJ3GEYJ221	M. RESISTOR CH 1/16W 220			C6002	■13821-S	10	1	
P3 R7, R8	ERJ3GEY0R00		-			200		1	
P3 R7, R8 R9	ERJ3GEY0R00 ERJ3GEYJ221	M. RESISTOR CH 1/16W 220			C6002	■13821-S	10	1	

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Ref. No.	Part No.	Part Name & Description	Pcs Remarks	Ref. No.	Part No.	Part Name & Description	nPo	s Remarks
106004	TC7W32F	10	1	R6206-12	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	Т	7
106005	PC74HC75T	IC	1	R6213-15	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	Т	3
106006	V\$12482B	IC	1	R6216	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	Τ	1
106006 0	VS12482B	IC	1	R6217	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	Т	1
106007	TC7WOOF	10	1	R6218, 19	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	Τ	2
106008	MC74HC138AF	10	1	R6220-24	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	Τ	5
106009	UPD6456T611Y	10	1	R6225	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	Γ	1
108010	TC7W32F	IC	1	R6226-30	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	L	5
I C601 1, 12	TC74ACT541F	10	2	R6231, 32	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K		2
108013	TC7832F	10	1	R6233-36	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	L	4
106101, 02	TC74ACT541F	IC	2	R6237	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	Γ	1
106201	MB89363BPF	IC	1	R6238-41	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	L	4
106202	UPC393G2	IC	1	R6243, 44	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0		2
106801	MN51040VPI	IC	1	R6246	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	L	1
106802	UPC393G2	IC	1	R6801	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M		1
106803	NJ#4558W	10	1	R6803, 04	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K		2
				R6805	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	L	1
1F6006	VJF1047	IC SOCKET	1	R6806	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	L	1
				R6807	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	L	1
186006	VJS3427X032	CONNECTOR (FEMALE)	1	R6808	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	L	1
				R6809	VRE0034E682	M. RESISTOR CH 1/10W 6.8K	1	1
L6001		COIL 10UH	1	R6810	VRE0034E912	M. RESISTOR CH 1/10W 9. 1K	L	1
L6002	VLQ0163J270	COIL 27UH	1	R6811	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3. 9K	+-	1
L6101	VLQ0319K101	COIL 100UH	1	R6812, 13	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	+	2
L6102, 03	VLQ0163J470	COIL 47UH	2	R6814	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	L	1
L6201	VLQ0319K101	COIL 100UH	1	R6816	ERJ3GEYJ394	M. RESISTOR CH 1/16W 390K	1	
L6801	VLQ0163J470	COIL 47UH	1	R6817	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
L6802	VLQ0319K101	COIL 100UH	1	R6818	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	L	
2000		ANNIENTAR /HALES		R6819	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	+	!
P6001	VJP3657	CONNECTOR (MALE)	1	R6820	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	+	1
		WD 1410 10700		R6821	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680		
Q6801	2SD1819A-R	TRANSISTOR	1	R6822	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K		
	1915040	TO AMELICATION DECLETOR	1	R6823	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	+	
QR6001	UN5213	TRANSISTOR-RESISTOR	1	R6824	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	H	
QR6003	UN5211	TRANSISTOR-RESISTOR	2	R6826 R6827, 28	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	+	3
QR6004, 05		TRANSISTOR-RESISTOR TRANSISTOR-RESISTOR	4	R6827, 28 R6829	ERJ3GEYOROO ERJ3GEYJ392	M. RESISTOR CH 1/16W 0	:	
QR62O1-04 QR62O6	UN5114 UN5213	TRANSISTOR-RESISTOR	1	R6839	VRE0034E392	M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/10W 3. 9K	1	
QR6207	UN5114	TRANSISTOR-RESISTOR	1	R6840	VRE0034E102	M. RESISTOR CH 1/10W 1K	1	
QR62O8, 09		TRANSISTOR-RESISTOR	2	R6845	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	۱,	
GR0206, 08	UND213	TRANSPORT RESPOND		10040	EROSGETOGOT	M. RESISTOR OF 17 TOW 000	╁╌	1
R6001	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	SW6001	VSS0342	SWITCH	١,	
R6002		M. RESISTOR CH 1/16W 470	1	- SHOOD !	1000042	ONIT TO IT	-	
R6003		M. RESISTOR CH 1/16W 68K	1	TG6001	EYF6CU	TEST POINT	h	
R6004		M. RESISTOR CH 1/16W 10K	i	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	12.1.000	1201 101111	Η.	
R6005		M. RESISTOR CH 1/16W 1K	1	TP6001, 02	EYF8CU	TEST POINT	1 2	
R6006		M. RESISTOR CH 1/16W 10K	1				H	
R6007		M. RESISTOR CH 1/10W 47K	1	VC6001	VCV0049	TRIMMER	1	
R6008		M. RESISTOR CH 1/10W 15K	1			7111		
R6009	ERJ3GEYJ104				\$		+	1
R601O		M. RESISTOR CH 1/16W 100K	1	X6001	VSX0465	CRYSTAL OSCILLATOR	F	
	ERJ3GEYJ102		1	X6001 X6801	VSX0465 VSX0498	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR	1	
R6011	-	M. RESISTOR CH 1/16W 100K	1 1 1 1	 			1	
R6011 R6012	ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K		X6801	VSX0498	CRYSTAL OSCILLATOR	 	
	ERJ3GEYJ683 ERJ3GEYJ105	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K	1	X6801	VSX0498	CRYSTAL OSCILLATOR	 	
R6012	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M	1	X6801	VSX0498	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR	 	
R6012 R6013	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 68K	1 1 1	X6801	VSX0498	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR	 	
R6012 R6013 R6014	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103 ERJ3GEYJ221	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K	1 1 1 1	X6801	VSX0498 VSX0615	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS	1	
R6012 R6013 R6014 R6015	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103 ERJ3GEYJ221 ERJ3GEYJ102	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X6801	VSX0498 VSX0615	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS	1	
R6012 R6013 R6014 R6015 R6016, 17	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103 ERJ3GEYJ221 ERJ3GEYJ102 ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 1K	1 1 1 1 1 1 2	X6801	VSX0498 VSX0615	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS	2	
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103 ERJ3GEYJ221 ERJ3GEYJ102 ERJ3GEYJ101	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 1220 M. RESISTOR CH 1/16W 12K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K	1 1 1 1 1 2 2 2 2	X6801 X6802	VSX0498 VSX0615 XSB2+6	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW	2	
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R8021	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103 ERJ3GEYJ221 ERJ3GEYJ102 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100	1 1 1 1 1 1 1 2 2 2 2 1 1	X6801 X6802	VSX0498 VSX0615 XSB2+6	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW	2	
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ683 ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 98K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 68K	1 1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1	X6801 X6802	VSX0498 VSX0615 XSB2+6	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW	2	
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ103 ERJ3GEYJ103 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 98K M. RESISTOR CH 1/16W 98K M. RESISTOR CH 1/16W 220	1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1	X6801 X6802	VSX0498 VSX0615 XSB2+6 VEP02437B	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD	2	(RTL)
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023 R6025	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ103 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K	1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1	X6801 X6802	VSX0498 VSX0615 XSB2+6 VEP02437B	ORYSTAL OSCILLATOR ORYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U	1 1	(RTL)
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023 R6025 R6025	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ083 ERJ3GEYJ021 ERJ3GEYJ221 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 11K M. RESISTOR CH 1/16W 11K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 22K M. RESISTOR CH 1/16W 22K	1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1	X6801 X6802	VSX0498 VSX0615 XSB2+6 VEP02437B EGA1EF0121 ECA1EF0121 VCK0152	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U	1 1	(RTL)
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023 R6025 R6025 R6026	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ221 ERJ3GEYJ221 ERJ3GEYJ102 ERJ3GEYJ101 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K	1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	X6801 X6802 ME15 C20 C24 C45	VSX0498 VSX0615 XSB2+6 VEP02437B EGA1EF0121 EQA1EF0121 VCK0152 ECA1EF0121	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR	1 1 1 1	(RTL)
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023 R6025 R6026 R6029	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ083 ERJ3GEYJ221 ERJ3GEYJ221 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ103 ERJ3GEYJ101 ERJ3GEYJ883 ERJ3GEYJ883 ERJ3GEYJ883 ERJ3GEYJ883 ERJ3GEYJ883 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 22K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100	1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	X6801 X6802 ■ E15 C20 C24 C45 C53	VSX0498 VSX0615 XSB2+6 VEP02437B ECA1EF0121 ECA1EF0121 VCK0152 ECA1EF0121 ECA1EF0121	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR 25V 120U E. CAPACITOR 25V 120U	1 1 1 1 1	(RTL)
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023 R6025 R6026 R6030—36 R6037—39	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ221 ERJ3GEYJ221 ERJ3GEYJ221 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ683 ERJ3GEYJ2221 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ222 ERJ3GEYJ683 ERJ3GEYJ683 ERJ3GEYJ683	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100	1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	X6801 X6802 E15 C20 C24 C45 C53 C55 C60	VSX0498 VSX0615 XSB2+6 VEP02437B ECA1EF0121 VCK0152 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U	1 1 1 1 1 1	(RTL)
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R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023 R6025 R6026 R6030—36 R6037—39 R6040—44 R6045, 46 R6047, 48 R6049 R6050 R6051, 52 R6053	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ101 ERJ3GEYJ883 ERJ3GEYJ883 ERJ3GEYJ101 ERJ3GEYJ102 ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1M M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 22O M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 22O M. RESISTOR CH 1/16W 22O M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 10O M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 22O M. RESISTOR CH 1/16W 22C M. RESISTOR CH 1/16W 10C M. RESISTOR CH 1/16W 22C M. RESISTOR CH 1/16W 22C M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 1.5K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X6801 X6802 X6802 C20 C24 C45 C53 C55 C60 C64, 65 C66 C67 C68 C7 C69 C78 C100, 01	VSX0498 VSX0615 XSB2+6 VEP02437B ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECUNITATIOV ECUXIHATIJOV	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR C5V 120U C. CAPACITOR C7V 100V C7V 100V	1 1 1 1 1 1 1 1 1 1 1 2 2	(RTL)
R6012 R6013 R6014 R6015 R6015, 17 R6019, 20 R6021 R6022 R6023 R6025 R6026 R6029 R6030—36 R6037—39 R6047, 48 R6047, 48 R6049 R6050 R6050 R6051, 52 R6051	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ102	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 11M M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 200 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 100	1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1	X6801 X6802 X6802 C20 C24 C45 C53 C55 C60 C64, 65 C66 C67 C68 C7 C69 C78 C100, 01	VSX0498 VSX0615 XSB2+6 VEP02437B ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECUNITATIOV ECUXIHATIJOV	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 33U C. CAPACITOR CH 63V 33U C. CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
R6012 R6013 R6014 R6015 R6016, 17 R6019, 20 R6021 R6022 R6023 R6025 R6026 R6029 R6030—36 R6037—39 R6040—44 R6045, 46 R6047, 48 R6049 R6050 R6050 R6051, 52 R6051	ERJ3GEYJ683 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ105 ERJ3GEYJ102	M. RESISTOR CH 1/16W 100K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 11M M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 220 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 200 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 00 M. RESISTOR CH 1/16W 100	1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1	X6801 X6802 X6802 C20 C24 C45 C53 C55 C60 C64, 65 C66 C67 C68 C7 C69 C78 C100, 01	VSX0498 VSX0615 XSB2+6 VEP02437B ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECA1EF0121 ECUNITATIOV ECUXIHATIJOV	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS SCREW SERVO P. C. BOARD E. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U E. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR 25V 120U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 33U C. CAPACITOR CH 63V 33U C. CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)

								AJ-0800E
Ref. No.	Part No.	Part Name & DescriptionPc	Remarks	Ref. No.	Part No.	Part Name & Description	Pс	Remarks
		C. CAPACITOR CH 50V 100P 1		C401-04		C. CAPACITOR OH 16V 1U	7	
		C. CAPACITOR CH 25V 0.1U 1		C407-10	ECUX1H102JV	C. CAPACITOR CH 50V 1000P		
				C411-13	ECUX1H103KBV		+	
C110		E. CAPACITOR CH 16V 10U 1					H	
		C. CAPACITOR CH 50V 1200P		C414-16	ECUX1E104KBN		1	
0113, 14	ECEV1CV470Q	E. CAPACITOR CH 16V 47U 2		G418	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3. 3U	μ,	1
C115-17	ECEV1EV330Q	E. CAPACITOR CH 25V 33U 3		C419	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U		
C119-21	ECEV1CV1000	E. CAPACITOR CH 16V 10U 3		C420	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3.3U		1
C123	ECEV1CV1000	E. CAPACITOR CH 16V 10U 1		C422-25	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	4	H
C124	ECUX 1H332KBV	C. CAPACITOR CH 50V 3300P 1		C430	VCK0152	C. CAPACITOR	1	
0125		E. CAPACITOR CH 16V 10U 1		C432	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	
		C. CAPACITOR CH 50V 100P 1		C433	ECUX1H103KBV			
0126		C. CAPACITOR CH 50V 0.01U		C434	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3. 3U	+	
C127			1				H	
		C. CAPACITOR CH 50V 100P 1		C435	ECEV1CV100Q	E. CAPACITOR OH 16V 10U	1	
C129		C. CAPACITOR CH 50V 1800P 1		C503	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	Ľ	
0130	ECUX1H100DCV	C. CAPACITOR CH 50V 10P 1		C504	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	
0133	ECUX1E104KBN	C. CAPACITOR CH 25V 0.1U 1		C506	VCK0152	C. CAPACITOR	1	
C134	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U 1		C507	ECEV1HV3R3Q	E. CAPACITOR OH 50V 3. 3U		
C135	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U 1		C508-11	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	4	H
G137, 38		C. CAPACITOR CH 50V 0, 01U 2		0514	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C139		E. CAPACITOR CH 25V 22U 1		C515	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3. 3U	1	
C140, 41		C. CAPACITOR CH 16V 1U 2		C517	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3.3U		
	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U 1		C702	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	۲.	
C143				C703	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	H	
C144, 45			 				-	
C2O4		E. CAPACITOR CH 16V 10U 1	<u> </u>	0704		C. CAPACITOR CH 25V 0. 1U	-	
C206, 07		C. CAPACITOR CH 50V 0.01U 2		0705	ECEV1EV330Q	E. CAPACITOR CH 25V 33U	1	
C208		E. CAPACITOR CH 16V 10U 1		C706, 07	<u> </u>	C. CAPACITOR CH 25V 0. 1U	2	
C2O9		C. CAPACITOR CH 50V 0.01U 1		C801		C. CAPACITOR CH 25V 0.1U		
C213, 14	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U 2		C802	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
0215	ECUM1C105KBM	C. CAPACITOR CH 16V 1U 1		C803	EGA1CM332	E. CAPACITOR 16V 3300U	1	
C222	ECUX1H470JCV	C. CAPACITOR CH 50V 47P 1		C804-08	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U	5	
C225		E. CAPACITOR CH 16V III 1		C809	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	
G227		E. CAPACITOR CH6. 3V 33U 1		C810, 11		C. CAPACITOR CH 25V 0. 1U	2	
G228-30		C. CAPACITOR CH 25V 0. 1U 3		C812, 13	ECA1CM332	E. CAPACITOR 16V 3300U	1 2	
		C. CAPACITOR CH SOV 0, 01U 3		C814		C. CAPACITOR CH 25V 0.1U	1	
0231-33				C817	ECEV1EV4R7Q		⊢;	
C234-36							3	
0237		C. CAPACITOR CH 50V 47P 1		C903-05		C. CAPACITOR CH 50V 220P	3	
C238		G. CAPACITOR CH 25V 0. 1U 1		C906	ECOVINIOODCA	C. CAPACITOR CH 50V 10P	\vdash ¹	
0239		E. CAPACITOR CH6. 3V 33U 1			M4700	n.one	-	
0243	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U 1		D10	MA728	DIODE	11	
C244	ECUM1C105KBM	C. CAPACITOR CH 16V 1U 1		D11, 12	MA736	DIODE	2	
C245, 46	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P 2		D13	MA728	DIODE	_1	
C247	ECEVICV1000	E. CAPACITOR CH 16V 10U 1		D100	MA142K	DIODE	_1	
0250, 51	ECUX1H103KBV	C. GAPACITOR CH 50V IX 01U 2		D101, 02	MA143	DIODE	2	
0252	ECEV1CV1000	E. CAPACITOR CH 16V 10U 1		D103	MA736	DIODE	1	
0253-56	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U 4		D200, 01	MA143	DIODE	_ 2	
0257, 58	ECEV1CV100Q	E CAPACITOR CH 16V 10U 2		D301	MA728	DIODE	1	
C267, 68	ECUX1E104KBN	C. CAPACITOR CH 25V 0.1U 2		D302	MA736	DIODE	1	
C269	ECUMIC 105KBM	C. CAPACITOR CH 16V 1U 1		D303	MA728	DIODE	1	
0270	ECEVOJV330Q	E CAPACITOR CH6. 3V 33U 1		D304	MA736	DIODE	1	
0304, 05		E. CAPACITOR 25V 120U 2		D401	MA736	DIODE	1	
		C. CAPACITOR CH 25V 0. 1U 2			MA143	DIODE	-	
6309		C. CAPACITOR CH 50V 0.01U 1	 	D406	MA736	DIODE	1	
		C. CAPACITOR ON SOV U. 010 1	 	D501	MA141WK	DIODE	1	
C310						DIODE	ı.	
C311		C. CAPACITOR CH 50V 0.01U 1		0502-04	MA142WA		3	
C312		C. CAPACITOR CH 25V 0. 1U 1		D505	MA142WK	DIODE	1	
C318, 19		E. CAPACITOR 25V 120U 2		D701	MA143	DIODE	1	
0321		C. CAPACITOR CH 50V 0. 033U 1		D702	MA3062M	DIODE	1	
C322		C. CAPACITOR CH 16V 1U 1		D703	MA738	DIODE	1	
0323		E. GAPACITOR CH 25V 4. 7U 1		D704	MA3056-L	DIODE	1	
0324, 25	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U 2		D80103	MA141WK	DIODE	3	
C326	ECUM1C105KBM	C. CAPACITOR CH 16V 1U 1		D807	MA141WK	DIODE	1	
C327-29	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U 3		D811, 12	MA141WK	DIODE	2	
C330	ECUX1E104KBN	C. CAPACITOR CH 25V 0.1U 1		D813	21DQ04	DIODE	1	
0331		C. CAPACITOR CH 50V 0, 033U 1				DIODE	3	
C332		C. CAPACITOR CH 16V 1U 1		D817-28		DIODE	12	
G333		E. CAPACITOR CH 25V 4. 7U 1		D829		DIODE	1	
C334, 35		C. CAPACITOR CH 25V 0.1U 2		D830		DIODE	1	
C334, 35		C. CAPACITOR CH 16V 1U 1				DIODE	2	
				D833			_	
0337-39				POSS	MA142WK	DIODE	_1	
0340-42		D. CAPACITOR CH 25V 0, 1U 3		165	7.3500.	10	4	
C343-46		E. CAPACITOR CH 25V 4.7U 4		108	TA75W01FU	10	_1	
C349		C. GAPACITOR CH 50V 0.01U 1		107	TA75W393FU	10	1	
0351		C. CAPACITOR CH 50V 0.01U 1		109		IC	1	
C353, 54	ECUM1H333KBN	C. CAPACITOR OH 50V 0. 033U 2		10100	MN6755486H7H	IC	1	
C357-59	ECUMICIOSKEM	C. CAPACITOR OH 16V 1U 3		10101	SC371025AVFU	10	1	
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Ref. No.	Part No.	Part Name & Description	Pcs Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
10103	UPC4556G2	10	1	Q820	2SB1219A-R	TRANSISTOR	П	
10104	MN13821-8	10	1 ,	Q821, 22	2SD1624-S	TRANSISTOR	1	
		10	1	Q823	2SB1219A-R	TRANSISTOR		
10200	TB6519F	10		Q825	2SD1819A-R	TRANSISTOR		
	UN224	TRANSISTOR-RESISTOR	2	Q826, 27	2SB1073-R	TRANSISTOR	1	<u> </u>
			1		·			
10203	TA75W393FU	10		Q829	2SD1819A-R	TRANSISTOR		1
10204	TA75W01FU	10	. 1	9830	2SB1219A-R	TRANSISTOR		4
10205	TB6519F	10	1	Q831, 32	2SD1624-S	TRANSISTOR	Ľ	
16301	TL1451CDB	10	11	Q833	2SB1219A-R	TRANSISTOR	\perp 1	1
10302, 03	AN3841SR	IC	2	Q835	2SD1819A-R	TRANSISTOR		
IC401, O2	TA75W393FU	IC	2	Q836, 37	2SB1073-R	TRANSISTOR	1	
10403	TA75W01FU	10	1	Q839	2SD1819A-R	TRANSISTOR	1	
	TC7W74FU	IC	2	9840	2SB1219A-R	TRANSISTOR	1	1
10406, 07	UPC4558G2	10	2	Q841, 42	2SD1624-S	TRANSISTOR	١,	,
		10	2	0843	2SB1219A-R	TRANSISTOR	H	
10409, 10	TA75W01FU		1	Q906			H	
10501	MN6755486H7G	IC			2SD1819A-R	TRANSISTOR	+	`
10502	TC7WO4FU	IC -	1	Q908	2SD1819A-R	TRANSISTOR	L	
10503	TA75W393FU	IC	1	Q914	2SD1819A-R	TRANSISTOR	1	i
10701	TA75W393FU	IC	1	Q918	2SD1819A-R	TRANSISTOR	\perp	[
10702	BA6219BFP-Y	10	1	Q922	2SD1819A-R	TRANSISTOR		<u> </u>
I C801	MC145388F	10	1	L			Γ	
1C802	NJM2904M	IC	1	QR2	UN5213	TRANSISTOR-RESISTOR	1	
10803	MC14538BF	10	1	QR5	UN5213	TRANSISTOR-RESISTOR	1	
10804	MC74HC11F	IC	1	QR101, 02	UN5213	TRANSISTOR-RESISTOR	1	
10805, 06	TC7W04FU	IC	2	QR106	UN5213	TRANSISTOR-RESISTOR	h	
1000, 00	10/804F0			QR149, 50	UN5213	TRANSISTOR-RESISTOR		
	10 004031000	0011 10181	1	QR305		 	H	
LI	VLQ0407120M	CO1L 12UH			UN5113	TRANSISTOR-RESISTOR	-	
L2	VLQ0129	COIL 300UH	1	QR306	UN5213	TRANSISTOR-RESISTOR	Į.	
L4	VLQ0407151K	COIL 150UH	1	QR501	UN5213	TRANSISTOR-RESISTOR	Ľ	1
L101	VLQ0319K101	COIL 100UH	1	QR504	UN5213	TRANSISTOR-RESISTOR	1	1
L102-04	VLQ0319K100	COIL 10UH	3	QR701, 02	UN5114	TRANSISTOR-RESISTOR	2	
L200	VLQ0319K100	COIL 10UH	1	QR703, 04	UN5214	TRANSISTOR-RESISTOR	2	<u> </u>
L301	VLQ0407120M	COIL 12UH	1	QR801	UN5213	TRANSISTOR-RESISTOR	L	
L302, O3	VLQ0407151K	COIL 150UH	2	QR804	UN5214	TRANSISTOR-RESISTOR	1	
L501	VLQ0319K100	COIL 10UH	1	QR809, 10	UN5214	TRANSISTOR-RESISTOR	2	
L701	VLQ0319K101	COIL 100UH	1	QR813	UN5214	TRANSISTOR-RESISTOR	1	
	1			QR814	UN5114	TRANSISTOR-RESISTOR	1	
P600	VJP3172D003	CONNECTOR (MALE)	1	QR818	UN5114	TRANSISTOR-RESISTOR	1	
P601	VJP3172D002	CONNECTOR (MALE)	1	QR824	UN5114	TRANSISTOR-RESISTOR	1	
P602	VJP3172D002	CONNECTOR (MALE)	i	QR828	UN5114	TRANSISTOR-RESISTOR	H	
		CONNECTOR (MALE)	1	QR834	UN5114	TRANSISTOR-RESISTOR	H	
P603	VJP3172D002		1		 		١,	
P604	VJP3172D003	CONNECTOR (MALE)		QR838	UN5114	TRANSISTOR-RESISTOR	<u>⊢</u> `	
P605	VJP3518B002	CONNECTOR (MALE)	1	QR844-46	UN5214	TRANSISTOR-RESISTOR	3	·
P606	VJP3172D003	CONNECTOR (MALE)	1	QR905	UN5214	TRANSISTOR-RESISTOR	י	
P607	VJ\$3801B010	CONNECTOR (FEMALE)	1	QR907	UN5214	TRANSISTOR-RESISTOR	Ľ	
P608	VJP3518B002	CONNECTOR (MALE)	1	QR913	UN5214	TRANSISTOR-RESISTOR	1	
P609	VJP3172D002	CONNECTOR (MALE)	1	QR915	UN5214	TRANSISTOR-RESISTOR	1	
P610	VJP3518B003	CONNECTOR (MALE)	1	QR917	UN5214	TRANSISTOR-RESISTOR	_1	
P611	VJP3518B002	CONNECTOR (MALE)	1	QR919-21	UN5214	TRANSISTOR-RESISTOR	3	
P612	VJP3172D004	CONNECTOR (MALE)	1				Г	
P613	VJS34068015	CONNECTOR (FEMALE)	1	R19	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
	VJS3813C017	CONNECTOR (FEMALE)	2	R20		M. RESISTOR CH 1/8W 680	1	
P616	VJS34068019	CONNECTOR (FEMALE)	1	R22		M. RESISTOR CH 1/16W 10K	1	
P617	VJS34006018	CONNECTOR (MALE) 5P	1	R23	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	İ	†
		CONNECTOR (MALE)	1	R24, 25	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
P618	VJP31258002						1	
P619	VJP3809E060	CONNECTOR (MALE)		R26		M. RESISTOR CH 1/16W 390K	⊢ ∹	ļ
P620	VJP3358C022	CONNECTOR (MALE)	1	R27		M. RESISTOR CH 1/16W 1K	1	
				R28		M. RESISTOR CH 1/16W 12K	1	
Q2	2SD1820-R	TRANSISTOR	1	R29		M. RESISTOR CH 1/16W 4.7K	_1	
Q3, Q4	2\$81073-R	TRANSISTOR	2	R30	ERJ3GEYJ394	M. RESISTOR CH 1/16W 39OK	1	
Q5-Q7	2SD1820-R	TRANSISTOR	3	R31	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q100, O1	2SD1820-R	TRANSISTOR	2	R32	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
0103, 04	2SD1820-R	TRANSISTOR	2	R33	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
9105	2SB1219A-R	TRANSISTOR	1	R34		M. RESISTOR CH 1/16W 10K	1	
Q106	2SD1819A-R	TRANSISTOR	1	R36		M. RESISTOR CH 1/16W 10K	1	
0301, 02	2SB1073-R	TRANSISTOR	2	R37		M. RESISTOR CH 1/16W 39K	1	
Q401		TRANSISTOR	1	R38		M. RESISTOR CH 1/16W 10K	1	
	2SB1219A-R		2	R42, 43		M. RESISTOR CH 1/16W 4.7K	2	
Q502, Q3	2SD1819A-R	TRANSISTOR					-	
Q702	2SB1073-R	TRANSISTOR	1	R44		M. RESISTOR CH 1/16W 56OK	1	
Q703	2SD1624-S	TRANSISTOR	1	R45		M. RESISTOR CH 1/16W 1K	_1	
Q811	2SB936A-Q	TRANSISTOR	1	R46		M. RESISTOR CH 1/16W 56K	1	
Q812	2SD1819A-R	TRANSISTOR	1	R47	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	_1	
Q815	2SD1819A-R	TRANSISTOR	1	R49, 50	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
Q816, 17	2SB1073-R	TRANSISTOR	2	R51	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
Q819	2SD1819A-R	TRANSISTOR	1	R52		M. RESISTOR CH 1/16W 1K	1	
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Ref. No. 1	Part No.	Part Name & DescriptionPo	s Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
R54		M. RESISTOR CH 1/16W 10K		R240	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
	ERJ8GCYJ681	M. RESISTOR CH 1/8W 680		R241	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R64	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K		R242	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1.1	
R77			1	R243	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R78		M. RESISTOR CH 1/16W 82K	1	R244	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
R84		M. RESISTOR CH 1/16W 100K	1	R245	ERDS2TJ101	C. RESISTOR 1/49 100	1	
R93		M. RESISTOR CH 1/16W 5. 6K	1	R246	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
		M. ILESTOTOR OIL 17 OIL	1	R247	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1.	
			2	R248	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	1	
	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	4	R249	ERJ3GEYJ393	M. RESISTOR CH 1/10W 39K	1 2	
		M. RESISTOR CH 1/16W 100K		R250, 51	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
******		M. RESISTOR CH 1/16W 10K		R257, 58	ERJ8GCYJ1RO	M. RESISTOR CH 1/8W 1 M. RESISTOR CH 1/16W 1K	1	
	ERJ3GEYJ101		9	R259 R260	ERJ3GEYJ102 ERJ3GEYJ681	M. RESISTOR CH 1/16W 1K M. RESISTOR CH 1/16W 680	+;	
	ERJ3GEYG682	M. RESISTOR CH 1/16W 6. 8K	1	R263. 64	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	2	
	ERJ3GEY0R00	M. ILESTOTOR ON 17 TON		R265, 66	ERJ3GEYOROO	M. RESISTOR CH 1/10W 0	1 2	
	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K M. RESISTOR CH 1/16W 330K	1	R267	ERJ3GEYJ102	M. RESISTOR CH 1/10W 1K	1	<u> </u>
	ERJ3GEYJ334	M. RESISTOR OH 1/16W 82K	1	R301, 02	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R132	ERJ3GEYJ823	M. RESISTOR CH 1/16W 8.2K	1	R303	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R133	ERJ3GEYG822 ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R304	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R134	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	R305	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R135 R136	ERJ3GEYJ563		1	R306	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R136	ERJ3GEYJ104	M. RESISTOR OH 1/16W 100K	1	R308-10	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3	
R137	ERJ3GEYJ101	M. RESISTOR OH 1/16W 100	1	R312	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R139	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R313, 14	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	:
R140	ERJ3GEYJ562		1	R315	ERJ3GEYJ153	N. RESISTOR CH 1/16W 15K	1	
R141	ERJ3GEYJ330		1	R316	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R142			1	R317	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R143	ERJ8GCYJ271	M. RESISTOR CH 1/8W 270	1	R318	VRE0034E183	III. RESISTOR CH 1/10W 18K	1	
R144	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	R319	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R145	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	R320	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R146	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	R327, 28	ERJ3GEYJ104	ML RESISTOR CH 1/16W 100K	2	
R148	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	R330	ERJ8GCYJ1R0	M. RESISTOR CH 1/8W 1	1	
R149	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R332	ERJ8GCYJ1RO	M. RESISTOR CH 1/8W 1	1	
R150	ERJ3GEYJ102	M. RESISTOR OH 1/16W 1K	1	R334, 35	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	
R151	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	R337, 38	ERJ8GCYJ1RO	M. RESISTOR CH 1/8W 1	2	
R153	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	R339	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1 1	·
R154	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R340, 41	ERJ8GCYJ681	M. RESISTOR CH 1/8W 680	2	
R155	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	R342	ERJ3GEYJ103	M. RESISTOR CH 1/16W TOK	1	
R156, 57	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	R344	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R158-66	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	9	R346-49	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	4	
R167	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	R356, 57	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	2	
R172	ERJ3GEYJ103	THE TREE TOTAL CONT. IN CO.	1	R358	ERJ3GEYJ330	M. RESISTOR OH 1/16W 33	1	
R174, 75	ERJ3GEY0R00		2	R361	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	+	
R178	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	R362	ERJ3GEYG472	M. RESISTOR CH 1/16W 4. 7K M. RESISTOR CH 1/16W 4.7K	+	
R179, 80	VRE0034E223		1	R363 R364	ERJ3GEYJ473 ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	۱;	
R181	ERJ3GEYJ103	M. RESISTOR CH 1/16W 1OK M. RESISTOR CH 1/16W 1.2K	1	R371, 72	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	2	
R182	ERJ3GEYJ122		1	R401	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R183	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100 M. RESISTOR CH 1/16W 10K	1	R402		M. RESISTOR CH 1/16W 100K	1	· · · · · · · · · · · · · · · · · · ·
R185		M. RESISTOR CH 1/16W 10K	2	R404		M. RESISTOR CH 1/16W 0	1	
R186, 87			1	R406		M. RESISTOR CH 1/16W 10K	1	
R190				R407	+	M. RESISTOR CH 1/16W 180K	1	
R190			1 .	R408		M. RESISTOR CH 1/16W 10K	1	
R192-95		M. RESISTOR CH 1/16W 100K	4	R411		M. RESISTOR CH 1/10W 1K	1	
R196	ERJ3GEYOROO		1	R412		M. RESISTOR CH 1/16W 100K	1	
R204, 05	ERJ8GCYJ1R0		2	R414		M. RESISTOR CH 1/16W 0	1	
R206	ERJ3GEYJ102		1	R416		M. RESISTOR CH 1/16W 10K	1	
R207	ERJ3GEYJ153		1	R417		M. RESISTOR CH 1/16W 180K	1	
R209	ERJ3GEYJ102		1	R418	ERJ3GEYJ103	M. RESISTOR CHI 1/16W TOK	1	
R210	ERJ8GCYJ1R0	M. RESISTOR CH 1/8W 1	1	R421	<u> </u>	M. RESISTOR CH 1/16W 1K	1	
R211	ERJ3GEYJ393		1	R422	ERJ3GEYJ104	M. RESISTOR OH 1/16W 100K	1	
R212	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R424	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R213	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	R426	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R214, 15	ERJ3@EYJ103	M. RESISTOR CH 1/16W 10K	2	R427	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1	
R216	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1	R428	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R217	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R431	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	R432	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R226, 27	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	R434	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0		
R229	ERJ3GEYJ681	NI. RESISTOR CH 1/16W 680	1	R436		M. RESISTOR CH 1/16W 10K	1	
R233, 34	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	R437	+	M. RESISTOR CH 1/16W 180K	\sqcup	
R235	ERJ8GCYJ1RO		1	R438	ERJ3GEYJ103	M. RESISTOR CH 1/10W 10K	\square	
R200	ERJ3GEYJ153		1	R441, 42	<u> </u>	M. RESISTOR CH 1/16W 10K	2	
R236			1 1	R443	ERJ3GEYJ104	M. RESISTOR OH 1/16W 100K	11	1
	ERJ3GEYJ102						\vdash \vdash	
R236			1	R444, 45		M. RESISTOR CH 1/16W 27K	2	

Metal	Ref. No.	Part No.	Part Name & DescriptionPcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	Remarks
SAMERY AND RESISTING OF LYINE SOC								_	
MARCH MARC	R449	VRE0034E682						+	
Month Mont	R451							+	
March Marc								+	
### 7.7 PALESTON NO. MESTON OF LIVING 17 2 880.0 8.00007001 8.000100 1.000								-	
PARTY DESIGNATION RESISTANCY OF LYMB 1.85 2 Resistancy OF LYMB 360 2 Resistancy OF LYMB 1.85 2 Resistancy OF LYMB 1.85 1 Resista								₽!	
BOOLOG BADERYLOW RESISTION OF LYNE 1.4								۲,	
						 		+	· · · · · · · · · · · · · · · · · · ·
MAJESTO/JOSE RESISTOR OF LYNE TOX 1								₩	1
BAUGHT 1997 BAUGHT 199								+	
Section Support Column Support Column Support Column					R846	ERJ3GEYJ473		1	
BRADER B			M. RESISTOR CH 1/16W 1K 1		R847, 48	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	2	
BALESTICE BALESTICE BALESTICE OF 1/198 16 1	R512	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K 1		R849	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
BASISTEAN BASISTEAN BESISTEAN ON 1/100 50 1	R513							1	
BASIN 1.0 BASING 1.0 1.0 1.0 2.0 1.0								-	
1897-131 WINDOWSCASCASCASCASCASCASCASCASCASCASCASCASCAS								+	
SESTIMENT SAUGRETION SESTIMENT ON I I / 100								1	
BRADE BAJORYTION BESTSTOR ON 17/08 NA 1								H	
RESIZE READER/1032 RESISTED ON 1/1/99 16K 1								1	
BASSET B								1	
BASSE_MINER_FINE BRESISTED ON 1/198 10K 1					R860, 61			2	
BRSS GRADENTIAD MERSISTER ON 1/108 MES 1								1	
BRIGHT B	R532			`				2	
BASS SALUREVING M. RESISTOR OH 1/198 15.4								1	
### R860 ### R860EF1/02 ### R861STOR 00 H1/09 ### ATK 1 R860 ### R870 ### R860EF1/02 ### R861STOR 00 H1/09 ### ATK 1 R871-02 ### R870								11	ļ
BAST								1	
R821 RAJECTIVATY RESISTOR ON 11/0F 4 /K 1 R871 / 2 RAJECTIVATY RAJECTIVATY RESISTOR ON 11/0F 4 /K 1 R872 RAJECTIVATY RESISTOR ON 11/0F 1 /K 1 R874 RAJECTIVATY R								H	
RANGEY-LOTA R. RESISTOR OF 1/198 47K 1 R872 R. RESISTOR OF 1/198 30F 2 1 1 1 1 1 1 1 1 1								2	
BR544 BRJ00FYLTOT BR51STOR ON 1/198 1K 1 R974, 75 BRJ00FYLTOT R185STOR ON 1/198 10K 1 R976 R976 R977 R978								1	
BRSS-91 BRJOSEY-100 BRSSTOR OH 1/98 100 1 R879 BRJOSEY-100 BRSSTOR OH 1/98 100 1 R879 BRSS-91 BR					R874, 75	ERJ8GCYJ391	M. RESISTOR CH 1/8W 390	2	
R700 C		ERJ3GEYJ103			R876	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R704 R.J.GECY_1072 R. RESISTOR ON 1/109 47K 1	R545-51	ERJ3GEYOROO					 	1	
READER-17102 RESISTER ON 17/69 10K 1	R701, O2						 	1	
RRIGHT RRIGHT RESISTOR CH 1/100 10K 1			m. ((CC) C C C C C C C C C					1	
RRIGHT R								1	
RRADECTION RESISTOR OF IT/INF 100K 1								3	
R700					1			1	
R710					R886	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R807 R808			M. RESISTOR CH 1/16W 390K 1		R887	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	
R714 R.N.3GEY.1104 R. RESISTOR ON 1/16W 100K 1 R905 R.N.3GEY.1103 R. RESISTOR ON 1/16W 10K 1 R906 R.N.3GEY.1222 R. RESISTOR ON 1/16W 10K 1 R906 R.N.3GEY.1222 R. RESISTOR ON 1/16W 10K 1 R906 R.N.3GEY.1222 R. RESISTOR ON 1/16W 10K 1 R907 R907 R907 R907 R907 R907 R907 R907 R908 R.R.SISTOR ON 1/16W 10K 1 R906 R.N.3GEY.1103 R.R.R.SISTOR ON 1/16W 10K 1 R906 R.N.3GEY.1103 R.R.SISTOR ON 1/16W 10K 1 R906 R.N.3GEY.1103 R.R.SISTOR ON 1/16W 10K 1 R913 R.N.SISTOR ON 1/16W 10K 1 R914 R915 R.N.SISTOR ON 1/16W 10K 1 R915 R.N.SISTOR ON 1/16W 10K 1 R915 R.N.SISTOR ON 1/16W 10K 1 R917 R916 R.N.SISTOR ON 1/16W 10K 2 R917 R916 R.N.SISTOR ON 1/16W 10K 2 R917 R916 R.N.SISTOR ON 1/16W 10K 2 R917 R916 R.N.SISTOR ON 1/16W 10K 2 R917 R916 R.N.SISTOR ON 1/16W 10K 2 R917 R916 R.N.SISTOR ON 1/16W 10K 2 R918 R.N.SISTOR	R711	ERJ3GEYJ473						6	
R715 R336EYJ103 R. RESISTOR OH 1/16W 10K 1 R906 R336EYJ222 R. RESISTOR OH 1/16W 2. 2K 1 R716 R716 R716 R326EYJ227 R. RESISTOR OH 1/26W 3. 1 R907 R326EYJ227 R326EYJ227 R. RESISTOR OH 1/26W 3. 1 R907 R326EYJ227 R326EYJ227 R. RESISTOR OH 1/26W 3. 1 R910 R910 R326EYJ237 R. RESISTOR OH 1/26W 3. 1 R910	R712, 13							2	
R710, 17								1	
R718 RUBGCYJ300 R. RESISTOR CH 1/8# 30 1			##. 14E-01-014 - 011 - 011 - 011 - 011					H	
R721 ENJOGEY0271 B. RESISTOR CH 1/10M 270 1								<u> </u>	
R722 ERJGEY_JIO3 M. RESISTOR CH 1/169 10K 1			and removed the state of the st					1	
R727-30					R913	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R731-34 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 4 R915 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 1 R917. 18 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 R917. 18 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 R918-21 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 R918-21 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 3 R737. 38 ERJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 R922 ERJ3GEYJ223 M. RESISTOR CH 1/16W 27K 1 R923 ERJ3GEYJ273 M. RESISTOR CH 1/16W 27K 1 R924 ERJ3GEYJ273 M. RESISTOR CH 1/16W 27K 1 R924 ERJ3GEYJ102 M. RESISTOR CH 1/16W 27K 1 R925 ERJ3GEYJ102 M. RESISTOR CH 1/16W 27K 1 R926 ERJ3GEYJ273 M. RESISTOR CH 1/16W 27K 1 R926 ERJ3GEYJ102 M. RESISTOR CH 1/16W 27K 1 R926 ERJ3GEYJ102 M. RESISTOR CH 1/16W 27K 1 R926 ERJ3GEYJ273 M. RESISTOR CH 1/16W 27K 1 R926 ERJ3GEYJ273 M. RESISTOR CH 1/16W 27K 1 R926 ERJ3GEYJ273 M. RESISTOR CH 1/16W 27K 1 R927 ERJ3GEYJ273 M. RESISTOR CH 1/16W 27K 1 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 27K 1 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R927 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R928 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 3 R928 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 3 R928 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 1 R928 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 1 R928 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 1 R928 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 1 R928 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K					R914	ERJ3GEYJ222	M. RESISTOR OH 1/16W 2.2K	1	
R736 ENJ3GEYJ103 III. RESISTOR CH 1/16W 10K 1		ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K 4					1	
R737, 38 ELJGGYJ102 III. RESISTOR CH 1/18W 1K 2 R922 ERJGGYJ223 III. RESISTOR CH 1/16W 2ZK 1 R739-42 ERJGGYJ473 III. RESISTOR CH 1/18W 47K 4 R923 ERJGGYJ273 III. RESISTOR CH 1/16W 2ZK 1 R743-46 ERJGGYJ102 III. RESISTOR CH 1/16W 47K 1 R924 ERJGGYJ273 III. RESISTOR CH 1/16W 47K 1 R925 ERJGGYJ273 III. RESISTOR CH 1/16W 2ZK 1 R747 ERJGGYJ102 III. RESISTOR CH 1/16W 1K 1 R926 ERJGGYJ223 III. RESISTOR CH 1/16W 2ZK 1 R749 ERJGGYJ102 III. RESISTOR CH 1/16W 1K 1 R926 ERJGGYJ223 III. RESISTOR CH 1/16W 2ZK 1 R801 ERJGGYJ103 III. RESISTOR CH 1/16W 10K 1 R8027, 28 ERJGGYJ03 III. RESISTOR CH 1/16W 10K 1 R803 ERJGGYJ103 III. RESISTOR CH 1/16W 10K 1 R803 ERJGGYJ103 III. RESISTOR CH 1/16W 10K 1 R803 ERJGGYJ101 III. RESISTOR CH 1/16W 10K 1 R803 ERJGGYJ101 III. RESISTOR CH 1/16W 10K 1 TG114 EYFGCU TEST POINT 1 R806 ERJGGYJ101 III. RESISTOR CH 1/16W 47K 1 TG300 EYFGCU TEST POINT 1 R815 ERJGGYJ303 III. RESISTOR CH 1/16W 47K 2 TG114 EYFGCU TEST POINT 1 R815 ERJGGYJ303 III. RESISTOR CH 1/16W 47K 2 TG114 EYFGCU TEST POINT 1 R815 ERJGGYJ303 III. RESISTOR CH 1/16W 47K 2 TG114 EYFGCU TEST POINT 1 TG300 EYFGCU TEST POINT									
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R805		ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 1		R932	ERJ3GEYOROO	N. RESISTOR CH 1/16W 0	1	
R806	R803, O4	ERJ3GEYJ473						Ш	
R810, 11 ERJ3GEYJ473 ML RESISTOR CH 1/16M 47K 2 R815-17 ERJ3GEYJ103 ML RESISTOR CH 1/16M 10K 3 R819, 20 ERJ3GEYJ563 ML RESISTOR CH 1/16M 56K 2 R821 ERJ3GEYJ392 ML RESISTOR CH 1/16M 3, 9K 1 R822 ERJ3GEYJ392 ML RESISTOR CH 1/16M 10K 1 R822 ERJ3GEYJ103 ML RESISTOR CH 1/16M 10K 1 R823-25 ERJ6GEYG681 ML RESISTOR CH 1/16M 680 3 TP201 EYF6CU TEST POINT 1 TP115, 18 EYF6CU TEST POINT 2 TP201 EYF6CU TEST POINT 1 R826, 27 ERJ3GEYJ394 ML RESISTOR CH 1/16M 390K 2 TP301, 02 EYF6CU TEST POINT 2 R828 ERJ3GEYG682 ML RESISTOR CH 1/16M 6.8K 1 R829 ERJ3GEYJ473 ML RESISTOR CH 1/16M 47K 1 R829 ERJ3GEYJ473 ML RESISTOR CH 1/16M 47K 1			The state of the s					-	
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R819, 20 ERJ3GEYJ583 M. RESISTOR CH 1/16W 56K 2 TP107 EYF6CU TEST POINT 1 R821 ERJ3GEYJ392 M. RESISTOR CH 1/16W 3.9K 1 TP113 EYF6CU TEST POINT 1 R822 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 TP115, 16 EYF6CU TEST POINT 2 R823-25 ERJ6GEYG681 M. RESISTOR CH 1/16W 880 3 TP201 EYF6CU TEST POINT 1 R826, 27 ERJ3GEYJ394 M. RESISTOR CH 1/16W 390K 2 TP301, 02 EYF6CU TEST POINT 2 R828 ERJ3GEYG682 M. RESISTOR CH 1/16W 47K 1 TP402 EYF6CU TEST POINT 1 R829 ERJ3GEYJ473 M. RESISTOR CH 1/16W 47K 1 TP431-34 EYF6CU TEST POINT 4					TD100 00	EVERGI	TEST DOINT	_	
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					TP431-34	EYF6CU	TEST POINT	4	
			M. RESISTOR CH 1/16W 10K 1		TP501, 02	EYF6CU	TEST POINT	2	
								_	

VEPO3B9	5A								AJ-D800E
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
	EYF6CU	TEST POINT	1		C269		C. CAPACITOR CH 25V 0. 1U	1	
TP902	EYF6CU	TEST POINT	1		C270	ECEV1HNR22Q	E. CAPACITOR CH 50V 0. 22U		
					C271, 72		C. CAPACITOR CH 50V 220P	1	!
VR101	EVM7JGA00B54		1		C300-07		C. CAPACITOR CH 25V 0. III	L	<u> </u>
VR401	EVM7JGA00B54		1		¢309		C. CAPACITOR CH 25V 0.1U	L	
	EVM7JGA00B24		1		C311		C. CAPACITOR CH 50V 47P		
VR501, 02	EVM7JGA00824	V. RESISTOR 20K	2		C312 C313		C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 15P	H	1
		MISCELLANEOUS			0314-18		C. CAPACITOR CH 25V 0, 1U	1	
		MI GOELLANEOUS	-		C319		C. CAPACITOR CH 50V 68P	H	
	VSC4371	SHELD CASE	1		G320		C. CAPACITOR CH 25V 0. 1U	1	ı
					C321	ECUX1H560JCV	C. CAPACITOR CH 50V 58P	1	
					C322	ECUX1H470JCV	G. CAPACITOR CH 50V 47P	1	
■ E16	VEP03B95A	RF P. C. BOARD	1	(RTL)	C323		C. CAPACITOR CH 50V 56P	L	i
			<u> </u>		0324		C. CAPACITOR CH 25V U. 1U		
		a atrializar di aric a lil	_		0400-07		C. CAPACITOR CH 25V 0. IU	1	<u> </u>
01, 02		C. CAPACITOR CH 25V 0. 1U E. CAPACITOR CH6. 3V 33U	2		C408		C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 82P	H	
C3 C4, C5		C. CAPACITOR CH 25V 0. 1U	2		C410-16		C. CAPACITOR CH 25V 0, 1U	1	,
C6		E. CAPACITOR CH 16V 47U	1	<u>-</u>	C417		C. CAPACITOR OH 50V 580P	1	
07		C. CAPACITOR CH 25V 0. 1U	1		C418-21		C. CAPACITOR CH 25V 0. 1U	1	
C8		E. CAPACITOR CH8. 3V 100U	1		C422		E. CAPACITOR CH 16V 10U		
C9, 10	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2		C423		C. CAPACITOR CH 50V 820P		
C11	ECEVOJV330Q	E CAPACITOR CH6. 3V 33U	1		0424		C. CAPACITOR CH 25V C. IU		<u> </u>
C12		C. CAPACITOR CH 25V 0. 1U	1		C425		C. CAPACITOR CH 50V 15P	1	
C13		E. CAPACITOR CH6. 3V 33U	1 -		C428		C. CAPACITOR CH 25V 0. 1U	1	
C14, 15		C. CAPACITOR CH 25V C. 1U E. CAPACITOR CH6. 3V 33U	2		C427 C428		C. CAPACITOR CH 50V 100P E. CAPACITOR CH 16V 10U	۱.	
C16 C17, 18	ECEVOJV330Q ECHX1E104ZEV	G. CAPACITOR CH 25V 0.1U	2		0428		C. CAPACITOR CH 25V 0. 1U	1	
C19		E. CAPACITOR CH 4V 47U	1		C432		C. CAPACITOR CH 50V 3300P	1	
020, 21		C. CAPACITOR CH 25V 0.1U	2		C433		C. CAPACITOR CH 50V 120P		
022	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1		G434	ECUX1E104ZFV	G. CAPACITOR CH 25V 0. IU	1	
C23, 24	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2		C435	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1	
C25	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1		C500	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	_1	
C26-30		C. CAPACITOR CH 25V 0.1U	5		C501-08		C. CAPACITOR CH 25V 0. IU	8	
C100		C. CAPACITOR CH 25V 0. 1U	1	I	C509, 10		G. CAPACITOR CH 50V 1200P	2	
C102		C. CAPACITOR CH 50V 470P	1		0511-14		C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 68P	1	
0104		C. CAPACITOR CH 50V 27P C. CAPACITOR CH 50V 8P	2		C515 C516-22		C. CAPACITOR CH 50V 68P C. CAPACITOR CH 25V 0. 1U	1	
0105, 06 0107		C. CAPACITOR CH 25V 0. 1II	1		C523-26		C. CAPACITOR OH 50V 1500P	1	
C109		G. CAPACITOR CH 50V 470P	1		C527-29		C. CAPACITOR CH 25V 0. 1U	3	
C111		C. CAPACITOR CH 50V 27P	1		C530	ECUM1C154KBN	C. CAPACITOR CH 16V 0. 15U	1	
0112, 13	ECUX1H080DCV	C. CAPACITOR CH 50V 8P	2		C531	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1	
0114, 15		C. CAPACITOR CH 25V 0.1U	2		C532-34		C. CAPACITOR CH 25V 0. 1U	3	
C200		C. CAPACITOR CH 50V 120P	1		C535		C. CAPACITOR CH 50V 1500P	1	
0208		C. CAPACITOR CH 25V 0. 1U	1		C536-51	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	18	
0210		C. CAPACITOR CH 18V 1U C. CAPACITOR CH 25V 0. 1U	+	I	D200-03	MA14!WK	DIODE	١,	
0211 0212		C. CAPACITOR OH 25V 0.15P	1	I	D400		DIODE	1	
0213		C. CAPACITOR CH 16V 1U	1		D401		DIODE	H	
		C. CAPACITOR CH 25V 0. 1U	2					Ė	
0217, 18		C. CAPACITOR CH 25V 0. 1U	2		FL1	VLF0941C223	FILTER	1	
C219		E. CAPACITOR CH6. 3V 33U	1						
C220, 21		C. CAPACITOR CH 25V 0. 1U	2		101	TCVHC125FS	IC	1	
C223, 24		C. CAPACITOR CH 25V 0. 1U	2		102	TC7SO4FU	10	1	
G225		C. CAPACITOR CH 50V 120P C. CAPACITOR CH 16V 1U	1		1C3 1C4	XC62AP5002P XC62DN5002P	10	1	<u> </u>
C231 C232		C. CAPACITOR CH 16V 1U C. CAPACITOR CH 25V 0.1U	1	 	105	XC62AP3002P	10	1	
0232		C. CAPACITOR CH 25V 0.10	1	 	108	XC62AP5002P	IC	1	
0234		C. CAPACITOR CH 16V 1U	1		107		IC	1	
0235, 36		G. CAPACITOR CH 25V 0. 1U	2		108	TCVHC125FS	10	1	
C238		G. CAPACITOR CH 25V 0. 1U	1		109	T07S00FU	10	1	
C240, 41		C. CAPACITOR CH 25V 0.1U	2		1010	TC7W02FU	IG	1	
C243-46		C. CAPACITOR CH 25V 0. 1U	4		1011		10	1	
C248-50		C. CAPACITOR CH 25V 0.1U	3		10100	TC7WO4FU	10	1	
0251, 52		C. CAPACITOR CH 50V 1000P	2	 	10101		10	1	
0253		C. CAPACITOR CH 25V 0. 1U	1 2		10200, 01	TC4S69F	IC IC	2	
C254, 55 C257-60		C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 25V 0. IU	4		10203	NJM062M XC62DN5002P	10	1	
C257-80 C261, 62		E. CAPACITOR CH 25V 4. 7U	٦,			TC4S69F	IC .	2	
C263		C. CAPACITOR CH 25V 0. 1U	1				10	1	
C264		C. CAPACITOR CH 50V 22P	1				IC	1	
C265		C. CAPACITOR CH 25V 0. 1U	1				IC	1	
C266		C. CAPACITOR CH 50V 22P	1				IC	2	
C267, 68	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	2		10300	UPC5102GS030	IC	1	
	L		\vdash					4	
	L	L				l			

D.C.N.	Don't No.	Part Name & Description	Pcs Remarks	Ref. No.	Part No.	Part Name & Description	Pcs Remarks
Ref. No.		IC	1	R4		M. RESISTOR CH 1/16W 1.5K	1
		10	1	R5		M. RESISTOR CH 1/16W 47K	1
10303		IC	1	R6	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1
1C304		IC	1	R7	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1
1G400		10	1	R8	ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	1
	UPC1663G	10	1	R9	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1
10402	NJW062M	10	1	R11	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1
10403	TC7S86FU	IC	1	R100, 01	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2
10404	TC4W53F	IC	1	R102	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1
10500	AN3730FA	IC	1	R103	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1
10501	AN3740FAP	10	1	R104	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1
10502	MC14053BF	IC	1	R105	ERJ6GEYJ5R6	M. RESISTOR CH 1/10W 5.6	1
				R106	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1
L1	VLQ0319K220	COIL . 22UH	1	R107		M. RESISTOR CH 1/16W 1.2K	_1
L2, L3	VLQ0319K101	COIL 100UH	2	R108, 09	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2
L100-03	VLQ0163J2R2	CO1L 2. 2UH	4	R110	ERJ6GEYG270	M. RESISTOR CH 1/10W 27	1
L200-03	VLQ0163J330	COIL 33UH	4	R111		M. RESISTOR CH 1/16W 3.9K	1
L300, O1	VLQ0163J1R0	COIL 10H	2	R112	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1
L303	VLQ0163JR22	CO1L 0. 22UH	1	R114	ERJ3GEYJ223	M. RESISTOR OH 1/16W 22K	
L400	VLQ0163JR22	CO1L 0. 22UH	1	R115	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	
L401	VLQ0163J1R0_	COIL 1UH	1	R116	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	
L402	VLQ0163J470	COIL 47UH	1	R117	ERJ6GEYJ5R6	M. RESISTOR CH 1/10W 5.6	
L403	VLQ0163JR22	COIL 0. 22UH	1	R118	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1
<u> </u>				R119	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1
P1	VJ\$3827A060B	CONNECTOR (FEMALE)	1	R120, 21	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 27	2
P2	VJP3358C012	CONNECTOR (MALE)	1	R122	ERJ6GEYG270		
P3	VJS3899B013	CONNECTOR (FEMALE)	1	R123	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/16W 1. 2K	1
P4	VJS3898B010	CONNECTOR (FEMALE)	1	R124	ERJ3GEYJ122		3
				R200-02 R203-06	ERJ3GEYJ103 ERJ3GEYJ222	M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 2.2K	4
Q1	2SB1114	TRANSISTOR	1	R207, 08	ERJ3GEYJ122	W. RESISTOR OH 1/16W 1.2K	2
02	2SD1280-S	TRANSISTOR	1	R212, 13	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	2
03	2SB1218A-R	TRANSISTOR	1	R218	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1
Q100	2SB709-R	TRANSISTOR	1	R219		M. RESISTOR CH 1/16W 10K	1
9101	2SD1819A-R	TRANSISTOR	2	R220	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1
0102, 03	2SG3735B35	TRANSISTOR	1	R221	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1
9104	2SB709-R	TRANSISTOR	1	R222, 23	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	2
9105	2SD1819A-R	TRANSISTOR	2	R224	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	
9106, 07	2803735835	TRANSISTOR	1	R225, 26		M. RESISTOR CH 1/16W 47	2
0201	2SA1532-B	TRANSISTOR TRANSISTOR	4	R227	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1
0202-05	2SD1979	TRANSISTOR	1	R229	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1
9207	2803935	TRANSISTOR	2	R230	ERJ3GEYJ881	M. RESISTOR CH 1/16W 680	1
Q208, O9	2802954	TRANSISTOR	1	R231	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1
0210	2SG3935 2SA1532-8	TRANSISTOR .	2	R232	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1
Q212, 13 Q214	2SC2954	TRANSISTOR	1	R233, 34	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2
0215	28A1532-B	TRANSISTOR	1	R237	ERJ3GEYG472	M. RESISTOR CH 1/16W 4. 7K	1
0216-19	2SD1979	TRANSISTOR	4	R238, 39	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	2
0221, 22	2802954	TRANSISTOR	2	R240	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1
0225, 26	2SA1532-B	TRANSISTOR	2	R241	ERJ14YJ270H	M. RESISTOR CH 1/4W 27	1
0227	2SC2954	TRANSISTOR	1	R242~44	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3
0228	2SD1280-S	TRANSISTOR	1	R245-48	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	4
0229	2SB1218A-R	TRANSISTOR	1	R249, 50	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	2
9230	2SB1114	TRANSISTOR	1	R251, 52	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2
9231-34	2SK508K512	TRANSISTOR	4	R253	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1
9235	2581114	TRANSISTOR	1	R262, 63		M. RESISTOR CH 1/16W 47	2
9300	XXX5531	TRANSISTOR-RESISTOR	1	R264		M. RESISTOR CH 1/16W 220	1
9304, 05	2803935	TRANSISTOR	2	R266		M. RESISTOR CH 1/16W 47	1 .
Q306	2SC3930-B	TRANSISTOR	1	R268		M. RESISTOR CH 1/16W 4.7K	1
9307	XN5531	TRANSISTOR-RESISTOR	1	R269		M. RESISTOR CH 1/10W 2.7K	1
Q400, Q1	2803930-B	TRANSISTOR	2	R270, 71		M. RESISTOR CH 1/16W 10K	2
9403	25C3930-B	TRANSISTOR	1	R274	ERJ3GEY9472	M. RESISTOR OH 1/16W 4.7K	1
0404	XM5531	TRANSISTOR-RESISTOR	1	R275, 76		M. RESISTOR CH 1/16W 1.8K	2
9405	XW6435	TRANSISTOR-RESISTOR	1	R277	-	M. RESISTOR CH 1/16W 100K	.1
Q406-11	2SC3930-B	TRANSISTOR	6	R278		M. RESISTOR CH 1/4W 27	1
9500	2SC3930-B	TRANSISTOR	1	R280		M. RESISTOR CH 1/16W 47	1
Q501	2SB1219A-R	TRANSISTOR	1	R287, 88		M. RESISTOR CH 1/16W 1.8K	2
				R289, 90		M. RESISTOR CH 1/16W 0	2
QR1	UN5213	TRANSISTOR-RESISTOR	_1	R291		M. RESISTOR CH 1/16W 47K	1
QR100, 01		TRANSISTOR-RESISTOR	2	R292		M. RESISTOR CH 1/16W 1.5K	1
QR200, 01		TRANSISTOR-RESISTOR	2	R293-96		M. RESISTOR CH 1/16W 3.3K	4
QR400	UN5212	TRANSISTOR-RESISTOR	1	R300		M. RESISTOR CH 1/16W 22K	1
QR401	UN5213	TRANSISTOR-RESISTOR	1	R301		M. RESISTOR CH 1/16W 1K	1
				R309, 10		M. RESISTOR CH 1/16W 3.3K	2
R1	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R318		M. RESISTOR CH 1/16W 220	1
R3	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R319	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1
				1			
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Ref. No.	Part No.	Part Name & DescriptionPo	s Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2. 7K		R527	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	Т	
R320							1	
R321, 22		M. RESISTOR CH 1/16W 47	²	R528		M. RESISTOR CH 1/10W 12K	Н	
R323	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K		R529	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	L	
R324, 25	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2	R530	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	I
	ERJ3GEYJ331		2	R531, 32	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	Τ.	2
R326, 27				R533	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	т	
R328, 29	ERJ3GEYJ471		2				-	
R330	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47		R534	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R331	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	R535	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	Ľ	
R332-34	ERJ3GEYJ470	11. RESISTOR CH 1/16W 47	3	R536	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	Ι.	1
	ERJ3GEYJ272		2	R537	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	1
R335, 36			+	R538	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	Η.	
R337			1				+	
R338	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K		R2000	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	╀	
R339	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R2001	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	L	
R340	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	R2002	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R341	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	R2003	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	Т	
		M. RESISTOR CH 1/16W 0		R2004-07	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	17	4
R343	ERJ3GEYOROO						+	
R400	ERJ3GEYJ103		1	R2008	ERJ3GEYJ153		╀	
R401, 02	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	R2009	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	L	
R403	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	ı <u> </u>	R2010	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	L	·
R404	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2. 7K	1	R2011	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K		
	ERJ3GEYJ470		2	R2012-15	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R405, 06			1	R2016	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	1
R407	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K					-	
R408-11	ERJ3GEYJ470			R2018	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	H	1
R412, 13	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	2	R2020	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	L	1
R414	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	ı	R2023-25	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	Ŀ	3[
R415	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	R2026, 27	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K		2
R416	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	R2028, 29	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	2
			2	R2031, 32	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	+	
R417, 18	ERJ3GEYJ562					M. RESISTOR CH 1/16W 1.5K	1	
R419, 20	ERJ3GEYJ473		2	R2038	ERJ3GEYG152		-	
R421, 22	ERJ3GEYG332		2	R2039	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	L	
R423, 24	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2	R2041-43	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	Ŀ	
R425	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	R2044	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	L	
R426, 27	ERJ3GEYJ150	M. RESISTOR CH 1/16W 15	2	R2045, 46	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	Т	
R428	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3. 9K	1	R2047	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
				R2048	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	T.	
R429	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	,		+		+	
R430	ERJ3GEYJ563	ML RESISTOR CH 1/16W 56K	1	R2049, 50	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	L	
R431, 32	ERJ3GEYJ103		2				\vdash	
R433	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	TG1	EYF6CU	TEST POINT	Ŀ	
R434	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	TG300	EYF6CU	TEST POINT		
R435	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	TG500	EYF6CU	TEST POINT		
R436	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K					1	
			2	TH500	ERTD2FHL103S	THERMISTOR 10K	1	
R437, 38	ERJ3GEYJ473			1	- TOLINE 1000	TOK	۲	
R439	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K		-	ENERGY:	TEAT COUNT	1	
R440	ERJ3GEYG683	M. RESISTOR CH 1/16W 68K	1	TP100, 01	EYF6CU	TEST POINT	Ľ	
R441	ERJ3GEYG103	M. RESISTOR CH 1/16W 10K	1	TP200-03	EYF6CU	TEST POINT	Ľ	
R442	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1[TP300	EYF6CU	TEST POINT	L	
R443	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	TP400-02	EYF6CU	TEST POINT	[
R444	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	TP500-08	EYF6CU	TEST POINT	1)
	ERJ3GEYOROO		2	1			Ť	
R445, 46				18200	EVN7JGA00B13	V DESISTOR 4P	۲.	
R447, 48	ERJ3GEYG332		2	VR200			H	
R449		M. RESISTOR CH 1/16W 47	1	VR400, 01	EVM7JGA00B23	V. RESISTOR 2K	1	
R450	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	L	ļ		_	
R455, 56	ERJ3GEYG332	ML RESISTOR CH 1/16W 3.3K	2			MISCELLANEOUS	L	
R458			1				1	
R500			1		VSC4375	SHIELD CASE (LOWER)	П	
		M. RESISTOR CH 1/16W 2.2K	1		1		r	
R501					†		\vdash	
R503				F 545	VEDOGRACE	VIDEO MAIN D A ROSES	Η,	(971)
R504			1	■ E17	VEP03B96B	VIDEO MAIN P. C. BOARD	╚	(RTL)
R505			1	L	ļ		_	
R506	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	L			L	
R508, 09			2	C1	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	
R510			1	02	VCK0151	C. CAPACITOR	1	
		M. RESISTOR CH 1/16W 27K		C3, C4		C. CAPACITOR CH 25V 0. 1U	2	
R511				C5		E. CAPACITOR CH 4V 47U	H	
R512		M. RESISTOR CH 1/16W 1.8K					Η.	
R513			1	C8		C. CAPACITOR CH 25V 0. 1U	닏	
	I co laney land	M. RESISTOR CH 1/16W 22OK		C9	VCK0152	C. CAPACITOR	_1	
R514			11 1	C11	VCK0152	C. CAPACITOR	_1	
R514 R515		M. RESISTOR CH 1/16W 820	`		1		1 4	
R515		M. RESISTOR CH 1/10W 820 M. RESISTOR CH 1/10W 68	1	C13	VCK0152	C. CAPACITOR	יו	l
R515 R516	ERJ3GEYJ821 ERJ3GEYJ680	M. RESISTOR CH 1/16W 68		C13 C16, 17	VCK0152 VCK0152	C. CAPACITOR C. CAPACITOR	2	
R515 R516 R517	ERJ3GEYJ821 ERJ3GEYJ680 ERJ3GEYJ392	M. RESISTOR CH 1/16W 68 M. RESISTOR CH 1/16W 3. 9K		C16, 17	VCK0152	C. CAPACITOR	2	
R515 R516 R517 R518	ERJ3GEYJ821 ERJ3GEYJ680 ERJ3GEYJ392 ERJ3GEYG332	M. RESISTOR CH 1/16W 68 M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/16W 3. 3K		C16, 17 C19	VCK0152 VCK0152	C. GAPACITOR C. GAPACITOR	1	
R515 R516 R517 R518 R519	ERJ3GEYJ680 ERJ3GEYJ392 ERJ3GEYG332 ERJ3GEYJ392	M. RESISTOR CH 1/16W 68 M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 3. 3K		C18, 17 C19 C21	VCK0152 VCK0152 ECUX1H103KBV	C. CAPACITOR C. CAPACITOR C. CAPACITOR CH 50V 0.01U	1	
R515 R516 R517 R518 R519 R520	ERJ3GEYJ821 ERJ3GEYJ680 ERJ3GEYJ392 ERJ3GEYG332 ERJ3GEYJ392 ERJ3GEYJ331	M. RESISTOR CH 1/10W 68 M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 3. 3K M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 3.0		C16, 17 C19 C21 C22, 23	VCK0152 VCK0152 ECUX1H103KBV ECUX1H050CCV	C. CAPACITOR C. CAPACITOR C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 5P	1 1 2	
R515 R516 R517 R518 R519	ERJ3GEYJ680 ERJ3GEYJ392 ERJ3GEYG332 ERJ3GEYJ392	M. RESISTOR CH 1/10W 68 M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 3. 3K M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 330 M. RESISTOR CH 1/10W 2. 2K	3	C16, 17 C19 C21 C22, 23 C24	VCK0152 VCK0152 ECUX1H103KBV ECUX1H050CCV VCK0152	C. CAPACITOR C. CAPACITOR C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 5P C. CAPACITOR	1	
R515 R516 R517 R518 R519 R520	ERJ3GEYJ821 ERJ3GEYJ680 ERJ3GEYJ392 ERJ3GEYG332 ERJ3GEYJ392 ERJ3GEYJ331	M. RESISTOR CH 1/10W 68 M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 3. 3K M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 330 M. RESISTOR CH 1/10W 2. 2K		C16, 17 C19 C21 C22, 23 C24 C25	VCKO152 VCKO152 ECUX1H103KBV ECUX1H050CCV VCKO152 ECUX1H103KBV	C. CAPACITOR C. CAPACITOR C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 5P C. CAPACITOR C. CAPACITOR CH 50V 0. 01U	1	
R515 R516 R517 R518 R519 R520 R521-23	ERJ3GEYJ821 ERJ3GEYJ680 ERJ3GEYJ392 ERJ3GEYG332 ERJ3GEYJ392 ERJ3GEYJ331 ERJ3GEYJ222	M. RESISTOR CH 1/10W 68 M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 3. 3K M. RESISTOR CH 1/10W 3. 9K M. RESISTOR CH 1/10W 330 M. RESISTOR CH 1/10W 2. 2K	3	C16, 17 C19 C21 C22, 23 C24	VCKO152 VCKO152 ECUX1H103KBV ECUX1H050CCV VCKO152 ECUX1H103KBV	C. CAPACITOR C. CAPACITOR C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 5P C. CAPACITOR	1	
R515 R516 R517 R518 R519 R520 R521-23 R524	ERJ3GEYJ821 ERJ3GEYJ880 ERJ3GEYJ392 ERJ3GEYG332 ERJ3GEYJ392 ERJ3GEYJ331 ERJ3GEYJ222 ERJ3GEYJ222	M. RESISTOR CH 1/16W 98 M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/16W 3.9K M. RESISTOR CH 1/16W 330 M. RESISTOR CH 1/16W 2. 2K M. RESISTOR CH 1/16W 0	3	C16, 17 C19 C21 C22, 23 C24 C25	VCKO152 VCKO152 ECUX1H103KBV ECUX1H050CCV VCKO152 ECUX1H103KBV	C. CAPACITOR C. CAPACITOR C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 5P C. CAPACITOR C. CAPACITOR CH 50V 0. 01U	1 2 1 1	
R515 R516 R517 R518 R519 R520 R521-23 R524	ERJ3GEYJ821 ERJ3GEYJ880 ERJ3GEYJ392 ERJ3GEYG332 ERJ3GEYJ392 ERJ3GEYJ331 ERJ3GEYJ222 ERJ3GEYJ222	M. RESISTOR CH 1/16W 98 M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/16W 3. 3K M. RESISTOR CH 1/16W 3. 9K M. RESISTOR CH 1/16W 3.9K M. RESISTOR CH 1/16W 330 M. RESISTOR CH 1/16W 2. 2K M. RESISTOR CH 1/16W 0	3	C16, 17 C19 C21 C22, 23 C24 C25	VCKO152 VCKO152 ECUX1H103KBV ECUX1H050CCV VCKO152 ECUX1H103KBV	C. CAPACITOR C. CAPACITOR C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 5P C. CAPACITOR C. CAPACITOR CH 50V 0. 01U	1 2 1 1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	Remarks
C32, 33	VCK0151	C. CAPACITOR	2		L1	VLP0145	COIL	1	
034	ECUX1E104ZFV	C. CAPACITOR CH 25V D. 1U	1		L3-11	VLP0155	COIL	8	
035	VCK0151	C. CAPACITOR	1		L13-16	VLP0155	COIL	4	
C38	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	1		L25	VLQ0464K6R8	COIL 6. BUH	1	
C39, 40		C. CAPACITOR CH 25V 0.1U	2		L26	VLQ0319K101	COIL 100UH	1	
		T. CAPACITOR CH 10V 10U	1		L29	VLP0155	COIL	-	
C41			- 1		L30	ELJNA1R5JF	COIL 1, 5UH	١;	
C42, 43		C. CAPACITOR CH 25V 0. 1U	2					Η,	
C44	VCK0151	C. CAPACITOR	1		L34	VLQ0319K101	COIL 100UH	-	
C45, 46	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. III	2		L42	VLP0145	COIL	1	
G47	ECST1AX106Z	T. CAPACITOR CH 10V 10U	- 1		L44	VLQ0464K6R8	COIL 6. SUH	_ 1	
C48	ECUX1E104ZFV	C. GAPACITOR CH 25V 0. 1U	1		L501	VLQ0464K6R8	COIL 6, SUH	1	
C49	ECUX1H180JCV	C. CAPACITOR CH 50V 18P	1	11	L502	VLP0155	COIL	1	
C50	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1					Г	
051-53		C. CAPACITOR CH 25V 0. 1U	3		P1	VJP3808E140	CONNECTOR (MALE)	1	
C54		E. CAPACITOR CH 4V 47U	1		P2	VJP3798A0608	CONNECTOR (MALE)	1	
C86	VCK0151	C. CAPACITOR	1					_	
		C. CAPACITOR CH 25V 0.1U	i		QR1	UN5213	TRANSISTOR-RESISTOR	1	
C86			1	I	GR()	010210	THANGIOTON NEOTOTON	۳.	
C87		E. CAPACITOR CH 4V 47U						L.	ļ
C90, 91		C. CAPACITOR CH 25V 0. 1U	2		R27	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	_1	
C92	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1		R31	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	\perp ¹	
C93, 94	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	2		R34	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	_1	
C95	ECEVOGV470Q	E. CAPACITOR CH 4V 47U	- 1		R41	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	_1	
C96	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		R42	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
C97	ECEVOGV470Q	E. CAPACITOR CH 4V 47U	1		R43	ECUX1H180JCV	C. CAPACITOR CH 50V 18P	1	
C98		C. CAPACITOR CH 25V 0. 1U	1		R47	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
C99		G. CAPACITOR CH 50V 47P	1	1	R52, 53		M. RESISTOR CH 1/16W 0	2	
		C. CAPACITOR CH 50V 100P	H		R54		M. RESISTOR CH 1/16W 56K	1	
Ç100			1		R56		M. RESISTOR OH 1/16W 56K	H	
C101			1	I	R58		M. RESISTOR CH 1/16W 10K	Η.	
C103		C. CAPACITOR CH 25V 0.1U	-					_	
0104	VCK0150	C. CAPACITOR	1		R60		M. RESISTOR CH 1/16W 47	1	
C105, O6	ECUX1H050CCV	C. CAPACITOR CH SOV 5P	2		R61	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	_1	
C141	ECUX1H103KBV	C. GAPACITOR CH 50V 0.01U	_1		R66, 67		M. RESISTOR CH 1/16W 0	2	
0146	VCK0152	C. CAPACITOR	1		R68	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
G147	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		R70	VRT0145	RESISTOR	1	
C148	ECEVOGV470Q	E. CAPACITOR CH 4V 47U	1		R71, 72	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	2	
C150, 51		C. CAPACITOR CH 25V 0. 1U	2		R73	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	
C152	ECEVOGV4700	E. CAPACITOR OH 4V 47U	1		R110-12	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	3	
C501, O2		C. CAPACITOR CH 25V 0. 1U	2		R113-15		M. RESISTOR CH 1/16W 47K	3	
		C. CAPACITOR CH 50V 15P	1		R116	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
C504	ECUX1H150JCV		1		R117	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	-	
C505			H		R118	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	- ;	
C506	VCK0152	C. CAPACITOR	H					-;	
C508		C. CAPACITOR CH 50V 0.01U			R124	ERJ3GEYJ101			
C509, 10	ECUX1H681JV	C. CAPACITOR CH 50V 680P	2		R125	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	_!	
			Ш		R127, 28	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
FGD1	ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	1		R183		M. RESISTOR CH 1/10W 0	_1	
					R184	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
FL1	VLF1118	FILTER	1		R186	ERJ3GEY0R00	M. RESISTOR CH 1/16W C	1	
					R190	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
101	MN67372A2	IC .	1	l I	R195	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
102	MN4707F	IC	1		R196, 97	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	2	
103	MN673711	IC	1		R205, 06	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
103	L7A1433	ic	i				COMB1. R-R 0	8	
105	L7A1434	IC	1		R219		M. RESISTOR CH 1/16W 0	1	
		10	1		R222		M. RESISTOR CH 1/16W 0	1	
108	XC62AP2302P		1		R223, 24		M. RESISTOR CH 1/8W 0	2	
107	TC7SH08FU	10	_		R223, 24		M. RESISTOR OH 1/16W 27	4	
109	TCVHC125FS	16	1						
1010	TC7S66FU	10	1	 	R501, 02		M. RESISTOR CH 1/16W 2.2K	_=	
1011	M65401FP	IC	ᆜ		R503, 04		M. RESISTOR CH 1/16W 100	2	
IC12	TC7WO4FU	10	1		R506		M. RESISTOR CH 1/16W 1K		
1013	M52660FP	10	_1				M. RESISTOR CH 1/16W 0	2	
1014	TCVHC125FS	10	1		R509	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
IC16	MB81V4260S7	IC	1		R510	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	_1	
1019	XC62AP3002P	IC	1		R512	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
IG22	MB88344PFV	IC	1		R513, 14	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
1022	XC62AP5002M	16	1				M. RESISTOR CH 1/16W 1K	2	
1023	UPC2384GA	10	H		R517		M. RESISTOR CH 1/16W 0	1	
			+		R518		M. RESISTOR CH 1/16W 4.7K	<u>'</u>	
1G25	TC7SH08FU	10	H	I	R519, 20			2	
1033	T160G11-1233							- 4	
1035	XC82AP3002P	1C	_1		R521		M. RESISTOR CH 1/16W 1M	1	
1036	TCVHCOBFS	IC	1				M. RESISTOR CH 1/16W 0	2	
1037	TC7SH08FU	IC	1		R524-26		M. RESISTOR CH 1/16W 1K	3	
10501	M37709M4L161	ic	1		R528	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
10502	\$80727ANDQ	10	1		R530	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
10503	TC7SH08FU	10	1		R532	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
	-		\Box		R533-40	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	8	
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			\dashv					-	

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ISGEYJ103	Part Name & Description RESISTOR CH 1/16W 10K RESISTOR CH 1/16W 10OK RESISTOR CH 1/16W 10OK RESISTOR CH 1/16W 10 RESISTOR CH 1/16W 1K RESISTOR CH 1/16W 1K RESISTOR CH 1/16W 1K RESISTOR CH 1/16W 1K RESISTOR CH 1/16W 1K RESISTOR CH 1/16W 1C RESISTOR CH 1/	2 2 6 2 1 1	(RTL)	D1037-41	IMA142WK IMA6100-N IMA6100-N IMA6100-N IMA6062-III IMA6036-H IMA6036-H IMA6036-H IMA6036-H IMA6036-H IMA6036-H IMA6036-H IMA6036-H IMA6043-III IMA6043-III IMA6042-H IMA6042-H IMA6041-H IMA6042-H IMA6041-H I	Part Name & Description DIODE TC COIL 22UH COIL 1.0UH CONNECTOR (MALE) 4P CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ISGEYJ103	E. CAPACITOR CH 150 (100 C) C. CAPACITOR CH	2 1 1 2 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)	D1012 D1013 D1016 D1017 D1018 D1019 D1020 D1030-32 D1033 D1035, 36 D1037-41 1C1001-03 L1001, 02 L1003, 04 L1005 L1006-11 L1012 L1015 L1016 L1017, 18 L1019 L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	IMA142WK IMA6100-NI IMA6100-NI IMA6100-NI IMA6062-III IMA6036-HI IMA6036-HI IMA6036-HI IMA6036-HI IMA6036-HI IMA6036-HI IMA6036-HI IMA6036-HI IMA6036-HI IMA6043-NI IMA6088-HI IMA6088-HI IMA60842 VLQ0642 VLQ0642 VLQ0642 VLQ041K1R0 VLQ0417	DIODE	1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
J3GEYJ104 J3GEYJ102 J3GEYJ102 J3GEYJ102 J3GEYJ102 J3GEYGROO J3GEYG	L RESISTOR CH 1/16W 1K IL RESISTOR CH 1/16W 0 IL RESISTOR CH 1/16W 0 IL RESISTOR CH 1/16W 0 IL RESISTOR CH 1/16W 0 IL RESISTOR CH 1/16W 0 IL RESISTOR CH 1/16W 0 IL RESISTOR CH 1/16W 0 IL RESIST POINT IL RESISTOR CH 1/16W 0 IL RESISTOR C	1 2 2 6 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)	D1013 D1016 D1017 D1018 D1019 D1020 D1030-32 D1033 D1035, 36 D1037-41 L1001, 02 L1003, 04 L1005 L10016 L1017, 18 L1016 L1017, 18 L1020 L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	IMA8100-NI MA8002-MI MA8002-MI MA8002-MI MA80036-HI MA8036-HI MA8036-MI MA142MK SFPB-76V MA739 MA8043-NI MA8043-NI MA8043-NI MA8068-HI JTL1451CNS VL00642 VL00765 VL00765 VL0041/RI VL0041	DIODE	1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ISGEYOROO I F6CU	ERSISTOR CH 1/16W 0 TEST POINT TEST POIN	2 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)	D1016 D1017 D1018 D1019 D1020 D1030-32 D1033 D1035, 36 D1037-41 IC1001-03 L1001, 02 L1003, 04 L1005 L1006-11 L1016 L1017, 18 L1016 L1017, 18 L1020 L1020-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	MA8100-NI MA8062-MI MA8062-MI MA8036-HI MA8056-NI MA8056-NI MA8056-NI MA8043-MI MA8043-MI MA8043-MI MA8043-MI MA8043-MI MA8043-MI MA8044-MI	DIODE DIOD	1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
F6CU F6CU F6CU F6CU F6CU F6CU F6CU F6CU	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TRYSTAL OSCILLATOR POWER P. C. BOARD E. CAPACITOR 20V 68U E. CAPACITOR CH 16V 0. 22U C. CAPACITOR CH 16V 0. 33U E. CAPACITOR CH 16V 0. 33U E. CAPACITOR CH 16V 0. 33U E. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U E. CAPACITOR CH 50V 0. 080U	2 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)	D1017 D1018 D1019 D1020 D1030-32 D1033 D1035, 36 D1037-41 JC1001-03 L1001, 02 L1003, 04 L1005 L1006-11 L1012 L1015 L1016 L1017, 18 L1019 L1020 L1021-24 L1026 P1001 P1002 Q1003-06 Q1007 Q1008	MARO62-M MARO36-H MARO36-M MARO36-M MARO36-M MARO36-M MARO39-M MARO43-M MARO68-H JL1451CNS VLQ0642 VLQ0765 VLQ0504220M VLQ0417 VLQ0418 VLQ0417 VLQ041	DIODE	1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
F6CU F6CU F6CU F6CU F6CU F6CU F6CU F6CU	TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR POWER P. C. BOARD E. CAPACITOR 20V 68U E. CAPACITOR CH 16V 0. 22U C. CAPACITOR CH 16V 0. 33U E. CAPACITOR CH 16V 0. 33U E. CAPACITOR CH 16V 0. 33U E. CAPACITOR CH 16V 0. 33U E. CAPACITOR CH 16V 0. 03U C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)	D1018 D1019 D1020 D1030-32 D1033 D1035, 36 D1037-41 IC1001-03 L1001, 02 L1003, 04 L1005 L1006-11 L1012 L1015 L1016 L1017, 18 L1019 L1020 L1021-24 L1026 P1001 P1002 Q1003-06 Q1007 Q1008	IMABO36-H IMABO36-H IMA14218K SFPB-76V IMA14218K SFPB-76V IMA739 IMA8043-M IMA8068-H TL1451CNS VLQ0642 VLQ0765 VLQ0504220M VLQ041K1R0 VLQ0417	DIODE DIOD	1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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UNITO224KBM UX1H103KBV UX1H103KBV UX1H103KBV UX1H2034KBM UX1H204KBM UX1H102JCV UX1H112KBM UX1H333KBV UX1H333KBN UX1H681JV UX1H71JCV UX1H	C. CAPACITOR CH 16V 0. 22U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 16V 0. 33U C. CAPACITOR CH 16V 0. 33U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 50V 6800P C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 10U C. CAPACITOR CH 50V 10U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 480P C. CAPACITOR CH 50V 480P C. CAPACITOR CH 50V 680P	1 1 1 1 1 1 1 1 1 1		L1008-11 L1012 L1015 L1016 L1017, 18 L1019 L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	VL00441K1R0 VL00417 VL00417 VL00417 VL00417 VL0041K1R0 VL0041K1R0 VL00417 VL0042 ELELN560KA VL00417 VL00319K100 VJP1231T VJP3808E060 2SJ279S 2SJ279S 2SD1820A-R 2SB1219A-R	COIL 1. OUH COIL 10UH COIL 10UH COIL 1. OUH COIL 1. OUH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH TOUH COIL 10UH COIL 10UH CONNECTOR (MALE) 4P CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
UX1H103KBV UNI1C334KBM EA1DAP680 EA1AAP221 UX1H102JCV UNI1H122KBN UX1H2333KBV UWIHH82KBN EA1DAP680 UWIH681JV UX1H471JCV UXX1H471JCV UXX1H4	C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 16V 0. 33U E. CAPACITOR 20V 68U E. CAPACITOR 10V 22OU C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 50V 6800P C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 480P E. CAPACITOR CH 50V 680P	1 1 1 1 1 1 1 1 1 1		L1012 L1015 L1016 L1017, 18 L1019 L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	VLQ0417 VLQ0417 VLQ0441K1R0 VLQ0441K1R0 VLQ0417 VLQ0417 VLQ0417 VLQ0319K100 VJP1231T VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	COIL 10UH COIL 1. UNH COIL 1. UNH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
UNIT C334KBM EAIDAP680 EAIDAP680 EAIAAP221 UX1E104KBM UX1E104KBM UX1H102JCV UMITH12ZKBM UX1C333KBV UMITH682KBM EAIDAP680 UMITH333KBM UX1H681JV UX1E104KBM UXX1E104KBM UXIH671JCV UXIE104KBM UXIH681JV UXIH681JV UXIH681JV UX	C. CAPACITOR CH 16V 0. 33U E. CAPACITOR 20V 68U E. CAPACITOR 10V 22OU C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 6800P E. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 03U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 480P E. CAPACITOR CH 50V 680P	1 1 1 1 1 1 1 1 1 1		L1015 L1016 L1017, 18 L1019 L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-08 Q1007 Q1008	VL00417 VL00441K1R0 VL00417 VL00642 ELELN560KA VL00417 VL00319K100 VJP1231T VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SB1219A-R	COIL	1 1 1 1 1 1 1 1 1	
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EA1AAP221 UX1E104KBN UX1H102JGV UWIH12KBN UWIH12KBN EA1DAP680 UWIH683JV UWIH683JV UX1H471JGV UX1E104KBN UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV	E. CAPACITOR 10V 220U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 16V 0. 033U C. CAPACITOR CH 16V 0. 033U C. CAPACITOR CH 50V 6800P E. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 030P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		L1017, 18 L1019 L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	VLQ0417 VLQ0642 ELELIN560KA VLQ0417 VLQ0319K100 VJP1231T VJP3808E060 2SJ279S 2SJ279S 2SU1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	COIL 10UH COIL COIL COIL 10UH COIL 10UH COIL 10UH COIL 10UH TRANSISTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1 1 1 1 1 1 1 1 1	
UX1E104KBN UX1H102JCV UX1H102JCV UX1H102JCV UX1H122KBN UX1G333KBV UX1G333KBN UX1H681JV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H681JV UX1E104KBN UX	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 16V 0. 033U C. CAPACITOR CH 50V 6800P C. CAPACITOR CH 50V 680P C. CAPACITOR CH 50V 680P C. CAPACITOR CH 50V 680P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		L1019 L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	VLQ0842 ELELN560KA VLQ0417 VLQ0319K100 VJP1231T VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	COIL COIL COIL COIL COIL COIL CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1 1 1 1 1 1 1 1 1	
UX1H102JCV UM1H12ZKSN UX1C333KSV UX1C333KSV UX1C333KSV UX1H88ZKSN EA1DAP680 UW1H333KSN UX1H881JV UX1H671JCV UXX1E104KSN UXX1H71JCV UXX1E104KSN UXX1H471JCV UXX1E104KSN UXX1H471JCV UXX1E104KSN UXX1H471JCV UXX1E104KSN UXX1H471JCV UXX1E104KSN UXX1H981JV UXX1E104KSN UXX1H981JV UXX1E104KSN	C. CAPACITOR CH 50V 1000P C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 16V 0. 033U C. CAPACITOR CH 50V 6800P C. CAPACITOR CH 50V 6800P C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 20V 68U C. CAPACITOR 10V 100U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		L1020 L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	ELELN560KA VLQ0417 VLQ0319K100 VJP1231T VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	COIL COIL 10UH COIL 10UH COIL 10UH CONNECTOR (MALE) 4P CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
UMIH122KBN UX1C333KBV UWIH682KBN EAIDAP680 UWIH333KBN UX1H881JV UX1H881JV UX1H71JCV UX1E104KBN UX1H71JCV UX1E104KBN UX1H71JCV UX1E104KBN EAIDAP680 EAIDAP680 EAIDAP680 EAIDAP680 EAIDAP680 EAIDAP680 EAIDAP680	C. CAPACITOR CH 50V 1200P C. CAPACITOR CH 16V 0. 033U C. CAPACITOR CH 50V 6800P C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 030U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 480P E. CAPACITOR CH 50V 680P	1 1 1 1 1 1 1 1 1 2 1 1 1 1 1		L1021-24 L1026 P1001 P1002 Q1001 Q1002 Q1003-08 Q1007 Q1008	VLQ0417 VLQ0319K100 VJP1231T VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	COIL 10UH COIL 10UH CONNECTOR (MALE) 4P CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
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UMI H682KGN EA1DAP680 UMI H333KGN UX1H831JV UX1H831JV UX1H104KGN UX1H171JGV UX1E104KGN UX1H471JGV UX1H471JGV UX1H681JV EA1DAP680 EA1AAP101 EA0JS02220	C. CAPACITOR CH 50V 6800P E. CAPACITOR CH 50V 680U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 980P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 680P E. CAPACITOR 20V 680P E. CAPACITOR 10V 100U	1 1 1 1 1 1 1 2 1 1 1		P1001 P1002 Q1001 Q1002 Q1003-08 Q1007 Q1008	VJP1231T VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	CONNECTOR (MALE) 4P CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
EAIDAP680 UM1H333K8N UX1H681JY UX1E104K8N UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H471JGV UX1H681JY UX1H681JY EAIDAP680 EAIDAP680 EAIDAP680 EAIDAP680	E. CAPACITOR 20V 68U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 680P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 68U E. CAPACITOR CH 50V 68U E. CAPACITOR CH 50V 68U	1 1 1 1 1 1 2 1 1 1 1		P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
UM1H333KBN UX1H881JV UX1E104KBN UX1E104KBN UX1H471JGV UX1E104KBN UX1H471JGV UX1E104KBN UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX1H881JV UX	C. CAPACITOR CH 50V 0. 033U C. CAPACITOR CH 50V 680P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680 E. CAPACITOR 10V 100U	1 1 1 1 2 1 1 1		P1002 Q1001 Q1002 Q1003-06 Q1007 Q1008	VJP3808E060 2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
UX1H681JV UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H681JV UX1H681JV EA1DAP680 EA1AAP101 EA0JSC220M EA0JSC220M	C. CAPACITOR OH 50V 680P C. CAPACITOR OH 25V 0. 1U C. CAPACITOR OH 50V 470P C. CAPACITOR OH 25V 0. 1U C. CAPACITOR OH 25V 0. 1U C. CAPACITOR OH 25V 0. 1U C. CAPACITOR OH 25V 0. 1U C. CAPACITOR OH 50V 680P E. CAPACITOR 20V 68U E. CAPACITOR 10V 100U	1 1 1 1 1 1 1 1		Q1001 Q1002 Q1003-06 Q1007 Q1008	2SJ279S 2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
UX1E104KBN UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H681JV UEA1DAP680 UEA1AAP101 UEA0JSC220M UX1E104KBN UX1H681JV UX1H681JV	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 680P E. CAPACITOR CH 50V 680P E. CAPACITOR 10V 100U	1 1 1 1 1 1		01002 01003-08 01007 01008	2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
UX1H471JCV UX1E104KBN UX1H471JCV UX1E104KBN UX1H681JV EA1DAP680 EA1AAP101 EA0JSC220M EA0JSC220M	C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 680P E. CAPACITOR 20V 68U E. CAPACITOR 10V 100U	1 1 1 1 1		01002 01003-08 01007 01008	2SK1748-Z 2SJ279S 2SD1820A-R 2SB1219A-R	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1	
EAJSC220M	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 680P E. CAPACITOR 20V 68U E. CAPACITOR 10V 100U	1 1 1 1		Q1003-06 Q1007 Q1008	2SJ279S 2SD1820A-R 2SB1219A-R	TRANSISTOR TRANSISTOR TRANSISTOR	1	
UX1H471JCV UX1E104KBN UX1H681JV EA1DAP680 EA1AAP101 EA0JSC220M EA0JSC220M	C. CAPACITOR CH 50V 470P C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 680P E. CAPACITOR 20V 68U E. CAPACITOR 10V 100U	1 1 1 1		Q1007 Q1008	2SD1820A-R 2SB1219A-R	TRANSISTOR TRANSISTOR	+	
UX1E104KBN UX1H681JV EA1DAP680 EA1AAP101 EA0JSC220M EA0JSC220M	C. CAPACITOR CH 25V 0. 1U C. CAPACITOR CH 50V 680P E. CAPACITOR 20V 68U E. CAPACITOR 10V 100U	1 1		Q1008	2SB1219A-R	TRANSISTOR	+	
UX1H681JV EA1DAP680 EA1AAP101 EA0JSC220M EA0JSC220M	C. CAPACITOR CH 50V 680P E. CAPACITOR 20V 68U E. CAPACITOR 10V 100U	1					1	
EA1DAP680 EA1AAP101 EA0JSC220M EA0JSC220M	E. CAPACITOR 20V 68U E. CAPACITOR 10V 100U	1				11001010101		
EA1AAP101 EA0JSC220M EA0JSC220M	E. CAPACITOR 10V 100U	1	: I	Q1010	2SB1219A-R	TRANSISTOR	1	
EAOJSC220M EAOJSC220M				01013	2SD1820A-R	TRANSISTOR	1	
EAOJSC220M		1		91014	2SB1219A-R	TRANSISTOR	1	
	E. CAPACITOR 6. 3V 22U	1		Q1015	2SD1820A-R	TRANSISTOR	1	
	C. CAPACITOR CH 25V 0. 1U	1		Q1016	2SB1219A-R	TRANSISTOR	1	
	C. CAPACITOR CH 50V 470P	1		Q1017	2SD1820A-R	TRANSISTOR	1	
	C. CAPACITOR CH 25V 0. 1U	1		Q1018	2SB1219A-R	TRANSISTOR	1	
	C. CAPACITOR CH 50V 680P	1		Q1019	2SD182QA-R	TRANSISTOR	1	
UX1H471JCV	C. CAPACITOR CH 50V 470P	1		Q1020	2SB1219A-R	TRANSISTOR	1	
	C. CAPACITOR CH 25V 0. 1U	1		Q1022	2SB1219A-R	TRANSISTOR	1	
EA1DAP680	E. CAPACITOR 20V 68U	1		Q1023	XX2401	TRANSISTOR-RESISTOR	1	
EA1AAP101	E. CAPACITOR 10V 100U	1		01024, 25	2SD1820A-R	TRANSISTOR	2	
	E. CAPACITOR 20V 68U	_1		Q1043	UN5111	TRANSISTOR-RESISTOR	1	
EA1AAP101	E. CAPACITOR 10V 100U	1						
	C. CAPACITOR CH 50V 680P	1		QR1001	UN5111	TRANSISTOR-RESISTOR	1	
UM1H123KBV	C. CAPACITOR CH 50V O. 012U	1		QR1003	UN5211	TRANSISTOR-RESISTOR	1	
EA1DAP680		2					L	
EAOJSC220M	E. CAPACITOR 6. 3V 22U					M. RESISTOR CH 1/16W 18K	-	
EVOJV2200	E. CAPACITOR CH6. 3V 22U	1		R1005, 06		M. RESISTOR CH 1/16W 1.5K	2	
UX1H101JCV	C. CAPACITOR CH 50V 100P	1		R1007		M. RESISTOR CH 1/16W 10K	1	
		3		R1010	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	ļ
		1		R1011	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
		_1		R1012	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	-	
		_1			+	M. RESISTOR CH 1/16W 18K	-	
		1		R1017	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	-	
		2		R1018		M. RESISTOR CH 1/16# 4.7K	-	
		1		R1019	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
		1		R1020		M. RESISTOR CH 1/16W 3.3K	1	
		1		R1021		M. RESISTOR CH 1/16W 56K	1	
		_		R1022		M. RESISTOR CH 1/16W 33K	-	
		-		R1023		M. RESISTOR CH 1/16W 56	1	
		_		R1024		M. RESISTOR CH 1/16W 100K	1	
				R1025			1	
		1		R1031		·····	1	
CUM 1H333KBN	C. CAPACITOR CH 50V 0. 033U	1				M. RESISTOR CH 1/16W 18K	-	
		_		R1036		M. RESISTOR CH 1/16W 56K	1	
				R1037		M. RESISTOR CH 1/16W 8.2K	1	
SQ03A04	DIODE	_1			JER.13GEY.1153		1	l
		1		R1038	21000210100	M. RESISTOR CH 1/16W 15K	···	
EARLE VALUE AND THE PROPERTY OF THE PROPERTY O	MAP101 (1H681JV (1H681JV (1H123KBV (1H1123KBV (1H1123KBV (1H1123KBV (1H112)KBV (1H112)KBV (1M101JCV (1M10JCV (1M10JCV (1M10JCV (1M10JCV (1M10JCV (1M10JCV (1M10JCV (1M10JCV (1M1	ATAMP101	ATAMP101 E. CAPACITOR 10V 100U 1	ATAMP101 E. CAPACITOR 10V 100U 1 1 1 1 1 1 1 1 1	CIMAPTO E. CAPACITOR 10V 100U 1	CAPACITOR 10V 10U 1	CAPACITOR 10V 100U 1	Compaction Com

VEP04522B VEP04690A

/EPU4322	B VEPU4	90A								
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Desc	ription	Pcs	Remarks
		M. RESISTOR CH 1/16W 3.3K	1		C4022	ECEVICV1000	E. CAPACITOR CH 16V	10U	1	
			-;-		C4023		C. CAPACITOR CH 16V	10	1	
		M. RESISTOR CH 1/16W 56						0. 1U	2	
R1041E	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1		C4024, 25		C. CAPACITOR CH 25V		۴	
R1042, 43	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	2		C4027		E. CAPACITOR CH 4V	47U	닏	
		M. RESISTOR CH 1/16W 15K	2		C4028	ECUX1E104ZFV	C. CAPACITOR CH 25V	0. 1U	1	
		M. RESISTOR CH 1/16W 3. 3K	2		C4029	ECEV1CV1000	E. CAPACITOR CH 16V	10U	1	
					C4030	EGUX1E104ZEV	II. CAPACITOR CH 25V	0. 111	1	
			-: -		C4031		E. CAPACITOR CH6. 3V	330	Ti	
R1051		M. RESISTOR CH 1/16W 100K	-11						·	
R1052, 53	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	2		C4032, 33		C. GAPACITOR CH 25V		2	
		M. RESISTOR CH 1/16W 15K	1		C4034	ECEVOJV3300	E. CAPACITOR CH6. 3V	33 U	1	
		M. RESISTOR CH 1/16W 3. 9K	1		C4035-37	ECUX1E104ZFV	C. CAPACITOR CH 25V	O. 1U	3	
					C4039, 40		C. CAPACITOR CH 25V	O. 1U	2	
		M. RESISTOR CH 1/16W 1.8K	- ' -					100	۱.	
R1059	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1		G4041		E. CAPACITOR CH 16V		+	
R1060	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1		C4042	ECEVOJV101Q	E. CAPACITOR CH6. 3V	1000	1 1	
		M. RESISTOR CH 1/16W 100K	1		C4043	ECUX1E104ZFV	C. CAPACITOR CH 25V	0. 10	1	
		M. RESISTOR CH 1/16W 18K	2		C4044	ECEV1CV470Q	E. CAPACITOR CH 16V	470	1	
			-		G4045		C. CAPACITOR CH 25V	O. 1U	1	
R1066		M. RESISTOR CH 1/16W 15K	1						1	
R1067	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1		C4046		E. CAPACITOR CH 16V	47U	+	
R1068, 69	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	2		C4047, 48		C. CAPACITOR CH 25V	0. 1U	2	
		M. RESISTOR CH 1/16W 56	1		C4049, 50	ECUX1H471JCV	C. CAPACITOR CH 50V	470P	2	i
		M. RESISTOR CH 1/16W 100K	1		C4051, 52	ECEVIHN0100	E. CAPACITOR CH 50V	10	2	:
	ERJ3GEYJ104		;		C4053		C. CAPACITOR CH 50V		1	1
	VRE0071E682	M. RESISTOR CH 1/16W 6. 8K	-					0. 10	+:	
R1077	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1		C4054		C. CAPACITOR CH 25V		+-	
R1078, 79	ERW2PKR10	W. RESISTOR 2W 0.1	2		C4055		G. CAPACITOR CH 50V		1	_
	VRE0071E391	M. RESISTOR CH 1/16W 390	1		C4056	ECEVOJV470Q	E. CAPACITOR CH6. 3V	47U	1	
		M. RESISTOR CH 1/16W 680	1		04057, 58	ECEV1HV010Q	E. CAPACITOR CH 50V	10	2	AJ-D800E ONLY
	VRE0071E681		1 1		C4059, 60		C. CAPACITOR CH 50V	33P	1 2	AJ-DBOOE ONLY
	VRE0071E103	M. RESISTOR CH 1/16W 10K	-						+	AJ-D800E ONLY
R1083	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		G4061, 62		C. CAPACITOR CH 25V		1-	AU-DEGGE UNLT
	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	- 1		C4101	ECEV1CV470Q	E. CAPACITOR CH 16V		11	
	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		C4102, 03	ECUM1H273KBN	C. CAPACITOR OH 50V	0. 027U	2	
		M. RESISTOR CH 1/16W 1K	1		C4106	ECUM1H183KBN	C. CAPACITOR CH 50V	O. 018U	1	
	ERJ3GEYJ102		1		04107, 08		C. CAPACITOR CH 25V		2	
R1099	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	'						+-	
R1102	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		C4109	ECEVOJN470Q	E. CAPACITOR CH6. 3V		┼;	
R1118	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1		C4114, 15	EGUX1E104ZFV	C. CAPACITOR CH 25V		<u> </u>	A
	ERJ3GEYG472	M. RESISTOR CH 1/16W 4. 7K	1		C4116, 17	ECEVOJN1000	E. CAPACITOR CH6. 3V	100	2	
	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1		C4118	ECEVOJV2200	E. CAPACITOR CH6. 3V	22U	1	
R1120			1		C4119	ECEVICV1000	E. GAPACITOR CH 16V	100	T	
R1129	ERJ3GEYOROO		- ' -				C. CAPACITOR CH 25V		2	
R1143	ERJ3GEYJ121	M. RESISTOR CH 1/16W 120	11		C4126, 27				+-	
R1144	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		G4128	ECHU1C472JB	P. GAPACITOR 16V		Ľ	
R1145	ERJ3GEYJ820	M. RESISTOR CH 1/16W 82	1		C4129	ECUX1H330JCV	C. CAPACITOR CH 50V	33P	1	
		M. RESISTOR CH 1/16W 68	9		C4130	ECEVOGV470Q	E. CAPACITOR CH 4V	47U	1	
			1		C4131		C. GAPACITOR CH 25V	O. 1U	1	
R1152	ERJ3GEYJ103		 			ECEVOJV220Q	E. CAPACITOR CH6. 3V		+	
R1156	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	11		C4132				+:	
R1158	ERJ3GEYJ103	M. RESISTOR CH 1/18W 10K	11		C4133	ECEVOGV470Q	E. CAPACITOR CH 4V		₽.	
			1 1		G4134	ECUX1H222KBV	C. CAPACITOR CH 50V	2200P	L	
T1001	VTP0486	TRANSFORMER	1		G4137	ECEVOJV220Q	E. CAPACITOR CH6. 3V	220	1	
1,001	7170100				C4138	ECUX1H151JCV	C. CAPACITOR OH 50V	150P	Γ_1	
			2		C4139	ECEVOJV2200	E. CAPACITOR CH6. 3V		Ti	
TG1001, 02	EYF6CU	TEST POINT	4						+;	
			\vdash		04140		C. CAPACITOR CH 50V		╀:	
TP1001	EYFOCU	TEST POINT	1		C4141	ECUX1H102JV	C. CAPACITOR CH 50V		⊢ '	
TP1003	EYFOCU	TEST POINT	1		C4142	ECUX1H221JCV	C. CAPACITOR CH 50V	220P	\perp	
TP1005-12		TEST POINT	8		C4143, 44	ECEV1HV010Q	E. CAPACITOR CH 50V	10	2	AJ-DBOOE ONLY
171000-12	211 300	1	1 1				C. CAPACITOR CH 50V		2	AJ-DBOOE ONLY
		1/ PEG 10700	 , 				C. CAPACITOR CH 25V		+	AJ-DBOOE ONLY
VR1001	EVM7JGA00B52		11						+:	
VR1002-0	EVM7JGA00B23	V. RESISTOR 2K	5		C4152		E. CAPACITOR CH 16V		₽'	
			ப		C4153		C. CAPACITOR OH 16V		₽	
	†	MISCELLANEOUS	П		C4155	ECUX1H330JCV	C. CAPACITOR CH 50V	33P		L
	 		П		C4157	ECUMICIOSKEM	C. CAPACITOR CH 16V	10	1	
	 	MUELD OVER (IDDED)	11		C4158	ECEVOGV1010	E. CAPACITOR CH 4V	1000	Ti	
	V8C4372	SHIELD CASE (UPPER)			C4159		E. CAPACITOR CH 4V		ti	
	V9C4373	SHIELD CASE (LOWER)	11						+;	
			ш		C4160, 61		C. CAPACITOR CH 50V		⊢ ²	
			LΤ		C4162-65		E. CAPACITOR CH 50V		14	<u> </u>
■ E19	VEP04522B	AUDIO LCD P. C. BOARD	1	(RTL) AJ-D800EN ONLY	C4166	ECUM1H104KBM	C. CAPACITOR CH 50V	O. 1U	<u>L</u> 1	
		AUDIO LCD P. C. BOARD	-	(RTL) AJ-D800E ONLY	C4187	ECUX1H151JCV	C. CAPACITOR CH 50V	150P	1	
■ E19	VEPO4690A	FLUTO LOD F. O. BOPED	 ' 		C4168, 69	+	C. CAPACITOR CH 25V		2	
			╁╌┼						۰	
1	L		┰		04170		C. CAPACITOR OH 16V		+⊹	
C4001	ECA1CM471	E. CAPACITOR 16V 470U	1	·	64171		C. CAPACITOR CH 16V		\perp 1	AJ-D800E ONLY
	ECEV1CV4700		1		C4201	ECEV1CV470Q	E. CAPACITOR CH 16V	470	11	
04002					C4202, 03	ECUMIH273KBN	C. GAPACITOR CH 50V	O. 027U	2	:
04002							C. CAPACITOR CH 50V		1 7	
C400306			1		G4206				-	
	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	,		04207, 08	JEGUX1E104ZFV	C. CAPACITOR CH 25V	0. 1U	2	.1
C4003-06	ECUX1E104ZFV	E. CAPACITOR CH6. 3V 100U	1						$\overline{}$	
C4003-O6 C4007 C4008	ECUX1E104ZFV ECEVOJV101Q	E. CAPACITOR CH6. 3V 100U	3		C4209	ECEVOJN4700	E. CAPACITOR CH6. 3V	470		
C4003-06 C4007 C4008 C4009-11	ECEVOLV1010 ECEVOLV1010	E. CAPACITOR CH6. 3V 100U E. CAPACITOR CH 16V 10U	3				E. CAPACITOR CH6. 3V G. CAPACITOR CH 25V		1 2	
C4003-O6 C4007 C4008 C4009-11 C4012-17	ECUX1E104ZFV ECEVOJV1010 ECEV1CV1000 ECUX1E104ZFV	E. CAPACITOR CH6. 3V 100U E. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. 1U			C4214, 15	ECUX1E104ZFV	C. CAPACITOR CH 25V	0. 1U	2 2	
C4003-O6 C4007 C4008 C4009-11 C4012-17 C4018, 19	ECUX1E104ZFV ECEVOJV1019 ECEV1CV1009 ECUX1E104ZFV ECHU1H102J8	E. CAPACITOR CH6. 3V 100U E. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. 1U P. CAPACITOR 50V 1000P	3		C4214, 15 C4216, 17	ECUX1E104ZFV ECEVOJN100Q	C. CAPACITOR CH 25V E. CAPACITOR CHO. 3V	0. 1U 10U	2	
C4003-O6 C4007 C4008 C4009-11 C4012-17 C4018, 19	ECUX1E104ZFV ECEVOJV1019 ECEV1CV1009 ECUX1E104ZFV ECHU1H102J8	E. CAPACITOR CH6. 3V 100U E. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. 1U	3		C4214, 15	ECUX1E104ZFV ECEVOJN100Q	C. CAPACITOR CH 25V	0. 1U 10U	-	
C4003-O6 C4007 C4008 C4009-11 C4012-17 C4018, 19	ECUX1E104ZFV ECEVOJV1019 ECEV1CV1009 ECUX1E104ZFV ECHU1H102J8	E. CAPACITOR CH6. 3V 100U E. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. 1U P. CAPACITOR 50V 1000P	3		C4214, 15 C4216, 17	ECUX1E104ZFV ECEVOJN100Q	C. CAPACITOR CH 25V E. CAPACITOR CHO. 3V	0. 1U 10U	2	
C4003-Q6 C4007 C4008 C4009-11 C4012-17 C4018, 19	ECUX1E104ZFV ECEVOJV1019 ECEV1CV1009 ECUX1E104ZFV ECHU1H102J8	E. CAPACITOR CH6. 3V 100U E. CAPACITOR CH 16V 10U C. CAPACITOR CH 25V 0. 1U P. CAPACITOR 50V 1000P	3		C4214, 15 C4216, 17	ECUX1E104ZFV ECEVOJN100Q	C. CAPACITOR CH 25V E. CAPACITOR CHO. 3V	0. 1U 10U	2	

				D	Ref. No.	Part No.	Part Name & Description	J _C	Remarks
Ref. No.		Part Name & Description		Remarks			C. CAPACITOR CH 25V 0. 1U	Ť	
C4219		E. CAPACITOR CH 16V 10U	_1					+	
C4226, 27	ECUX1E104ZFV	G. CAPACITOR CH 25V 0.1U	2		C6508		C. CAPACITOR CH 50V 0. 01U	+-	
C4228	ECHU1C472JB	E CAPACITOR 16V 4700P	1		C6509	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U		
C4229		C. CAPACITOR CH 50V 33P	1		C6510, 11	EQUX1H22OJCV	C. CAPACITOR CH 50V 22P	-	2
C4230	ECEVOGV4700	E CAPACITOR CH 4V 47U	1		06512, 13	ECUX1H15OJCV	C. CAPACITOR CH 50V 15P	L	2
		C. CAPACITOR CH 25V 0.1U	1		C6524	ECEVOJV101Q	E. CAPACITOR CH6. 3V 100U	Τ.	
C4231			- 1		C6525		E. CAPACITOR CH 25V 22U	1	
C4232	ECEVOJV2200	E. CAPACITOR CH6. 3V 22U	-				E. CAPACITOR CHS. 3V 100U	+	3
04233	ECEVOGV4700	E. CAPACITOR CH 4V 47U	1		C6526-28	ECEVOJV1010	E. CAPACITUR CHO. SV 1000	╀`	
04234	ECUX1H222KBV	C. CAPACITOR OH 50V 2200P	_1					↓_	
G4237	ECEVOJV2200	E CAPACITOR CH6. 3V 22U	1		D4001, 02	MA143	DIODE	L	2
		C. CAPACITOR CH 50V 150P	1		D4003	#A142K	DIODE	1	1
C4238		E. CAPACITOR CH6. 3V 22U	H		D4004	#A143	D100E	T	
C4239	ECEVOJV2200				D4101, 02	MA143	DIODE	1	2
C4240	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1					+	
G4241	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	_1		D4103	MA142K	DIODE	-	
C4242	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1		D4105, 06	MA142K	DIODE	+-	2
C4243, 44	ECEV1HV0100	E. CAPACITOR CH 50V 1U	2	AJ-D800E ONLY	D4107	MA714	DIODE	L	1
	ECUV1H330JCV		2	AJ-D800E ONLY	D4201, 02	MA143	DIODE	13	2
C4245, 46			_	AJ-D800E ONLY	D4203	MA142K	DIODE	Т	1
C4247, 48			H	NO COCCE CHE!	D4205, 06	MA142K	DIODE		2
G4252	ECEV1CV1000	E. CAPACITOR CH 16V 10U						+	
C4253	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	_1		D4207	MA714	DIODE	-	
C4255	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1		D4601	MA142K	DIODE	L	
C4257	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1		D4604, 05	MA714	DIODE	-	2
	ECEVOGV1010	E. CAPACITOR CH 4V 100U	1		D4606	MA142K	DIODE		1
C4258		E. CAPACITOR CH 4V 47U	H		D4701	E100\$10	DIODE	Г	1
C4259	ECEVOGV470Q		-		D4702	MA143	DIODE	Т	1
C4260, 61	ECUX1H471JCV		2					+	1
C4262-65	ECEV1HN010Q	E. CAPACITOR CH 50V 1U	4		D4703	MA714	DIODE	+	
C4266	ECUMITH104KBM	C. CAPACITOR CH SOV . 0. 1U	_1		D6501	MA704	DIODE	+	1
C4267	ECUX1H151JCV		1		D6502-07	LNJ310M6URA	0100E	-	8
C4268, 69	ECUX1E104ZFV		2		D6508	HZ16-IL	DIODE	L	1
			1		D6509, 10	LNJ310M6URA	DIODE	T.	2
C4270	ECUM1C224ZFV		H	A L-DODGE ONE V	D6511, 12	MA142K	DIODE	T	2
C4171	ECUV1C104KBV		Ľ	AJ-D800E ONLY		BR3902S	DIODE	+-	1
C4304	ECEV1CV4700	E. CAPACITOR CH 16V 47U	Ľ		D6513				·
C4305	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		D6514-28	MA142K	DIODE	1	
C4306	ECEV1CV4700	E. CAPACITOR CH 16V 47U	[1		D6530-40	MA142K	DIODE	11	
C4307	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. IU	1		D6541, 42	LNJ310M6URA	0100E	-	2
	ECEVOJN1000	E, CAPACITOR CH6. 3V 10U	1		D6543, 44	MA142K	DIODE		2
C4308			T ₁			<u> </u>		Т	
C4309	ECUX1H331JCV				DP6501	EDD074YG1A4P	LCD	+	1
C4408	ECEVOJN1000	E. CAPACITOR CH6. 3V 10U	μ'		DF0001	EDOO/4141/A41	100	╁	`
C4409	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	Ľ				<u></u>	+	1
C4501, 02	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	13		FL4501	VLF1069	FILTER	╀	<u> </u>
C4508	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1 1					┸	
C4509	ECEV1CV2200	E. CAPACITOR CH 16V 22U	1		104001	UPC5022GA121	IC	L	1 AJ-DBOXENE ONLY
	ECUX1E104ZFV		1		104001	UPC5022GA144	IC	Т	1
C4510		E. CAPACITOR CH6. 3V 47U			104002	N_M062M-D	IC	Т	1
C4511	ECEVOJV4700		1		104003	MC74HCU04F	IC	1	1 AJ-D800EM ONLY
04512	ECST1VY684Z	T. CAPACITOR CH 35V 0. 68U	Н		104003	MC74HCU04AF	IC	+	1
04513	ECUM1C105KBM		\perp					+	
C4514	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U			104004	MC140538F	10		<u> </u>
C4515	ECEVICV1000							+	
		E. CAPACITOR CH 16V 10U	1		104005	NJM2904M	10		1
C4516, 17	· IEGIXIMIGAKAN	2. 0.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	1		1C4005 1C4006	NJM2904N NJM062N-D	10	-	1
		C. CAPACITOR OH SOV 0.01U						-	
C4519	ECUX1E104ZFV	C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 25V 0.1U			104006 104007	NJM06291-0 XC62AP3002P	IC	-	
C4520	ECUX1E1042F\ ECUX1H330JC\	C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 50V 33P			104006 104007 104008	NJM062M-D XC62AP3002P AK4503VF	10 10 10	-	
C4520 C4521, 22	ECUX1E104ZF\ ECUX1H330JC\ ECUX1E104ZF\	/ C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 50V 33P / C. CAPACITOR CH 25V 0.1U			104006 104007 104008 104009	NJM062H-D XC62AP3002P AK4503VF BA6138F	1C 1C 1C		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C4520	ECUX1E104ZF\ ECUX1H330JC\ 2 ECUX1E104ZF\ ECUM1C105KB	/ C. CAPACITOR CH 50V 0. 01U / C. CAPACITOR CH 25V 0. 1U / C. CAPACITOR CH 50V 33P / C. CAPACITOR CH 25V 0. 1U II C. CAPACITOR CH 16V 1U			104008 104007 104008 104009 104010	NJM062M-D XC62AP3002P AK4503VF BA6138F NJM062M-D	10 10 10 10 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C4520 C4521, 22	ECUX1E104ZF\ ECUX1H330JC\ 2 ECUX1E104ZF\ ECUM1C105KB	/ C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 50V 33P / C. CAPACITOR CH 25V 0.1U			104008 104007 104008 104009 104010 104011	NJM062N-D XC62AP3002P AK4503VF BA6138F NJM062N-D MC14052BF	10 10 10 10 10 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C4520 C4521, 22 C4523, 24 C4602	ECUX1E104ZF\ ECUX1H330JC\ ECUX1E104ZF\ ECUX1E104ZF\ ECUX1C105KBI ECEVOJV470Q	V C. CAPACITOR CH 50V C. 01U V C. CAPACITOR CH 25V 0. 1U V C. CAPACITOR CH 50V 33P V C. CAPACITOR CH 25V 0. 1U B C. CAPACITOR CH 16V 1U E CAPACITOR CH6. 3V 47U			104008 104007 104008 104009 104010	NJM062M-D XC62AP3002P AK4503VF BA6138F NJM062M-D	10 10 10 10 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C4520 C4521, 22 C4523, 24 C4802 C4803	ECUX1E104ZF\ ECUX1H330JC\ ECUX1E104ZF\ ECUM1C105KBI ECEYOJV470Q ECUX1E104ZF\	V C. CAPACITOR CH 50V C. 01U V C. CAPACITOR CH 25V 0. 1U V C. CAPACITOR CH 50V 33P V C. CAPACITOR CH 25V 0. 1U E. CAPACITOR CH 16V 1U E. CAPACITOR CH6.3V 47U V C. CAPACITOR CH 25V 0. 1U			104008 104007 104008 104009 104010 104011	NJM062N-D XC62AP3002P AK4503VF BA6138F NJM062N-D MC14052BF	10 10 10 10 10 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C4520 C4521, 22 C4523, 24 C4602 C4603 C4604	EGUX1E104ZF\ EGUX1E104ZF\ EGUX1E104ZF\ EGUX1E104ZF\ EGEVOJV470Q EGUX1E104ZF\ EGEVOJV330Q	V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 50V 33P V C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 16V 11 E. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 33U			1C4008 1C4007 1C4008 1C4009 1C4010 1C4011 1C4012	NJM062H-D XC62AP3002P AK4503VF BA6138F NJM062H-D MC14052BF MC140538F	10 10 10 10 10 10 10		1 1 1 1 1 1 1 1
04520 04521, 22 04523, 24 04602 04603 04604 04605	EGUX1E1042F\ EGUX1H330JC\ 2 EGUX1E1042F\ 4 EGUN1C105KBN EGEVOJV4700 EGUX1E1042F\ EGEVOJV3300 EGUX1H103KBN	V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U B C. CAPACITOR CH 16V 1U B C. CAPACITOR CH 6.3V 47U V C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 3.3V 33U V C. CAPACITOR CH 50V 0.0U			IC4008 IC4007 IC4008 IC4009 IC4010 IC4011 IC4011 IC4012 IC4013 IC4014	NJM062M-D XC62AP3002P AK4503VF BA6138F NJM062M-D MC140528F MC140538F NJM2073M TC7W125FU	10 10 10 10 10 10 10 10		1 1 1 1 1 1 1 1 1 1
04520 04521, 22 04523, 24 04602 04603 04604 04605	EGUX1E1042F\ EGUX1H330JC\ EGUX1E1042F\ EGUN1C105KBI EGEVOJV4700 EGUX1E1042F\ EGEVOJV3300 EGUX1H103KB\ 7 EGUX1H150JC\	V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U B C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 3.V 47U V C. CAPACITOR CH 3.V 0.1U E. CAPACITOR CH 3.V 0.1U E. CAPACITOR CH 3.V 0.1U V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 50V 0.01U			1C4008 1C4007 1C4008 1C4009 1C4010 1C4011 1C4012 1C4013 1C4014 1C4015-17	NJB062B-D XC62AP3002P AK4503VF BA6138F NJB062B-D BC14052BF BC14053BF NJB2073B TC7W125FU 7 NJB062B-D	10 10 10 10 10 10 10 10 10 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
04520 04521, 22 04523, 24 04602 04603 04604 04605	ECUX1E1042F\ ECUX1H330JC\ ECUX1E1042F\ ECUW1C105KBB ECEY0JV4700 ECUX1E1042F\ ECEY0JV3300 ECUX1H103KBB 7 ECUX1H103KB	/ C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 25V 0.1U 8 C. CAPACITOR CH 16V 1U E. CAPACITOR CH 16V 47U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 50V 15P / C. CAPACITOR CH 50V 15P			1C4008 1C4007 1C4008 1C4009 1C4010 1C4011 1C4012 1C4013 1C4014 1C4015-17 1C4018	NJMO62M-D XC62AP3002P AK4503VF SA6138F NJM062M-D MC14052BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14050BF NJMC14050BF NJMC14050BF NJMC14050BF	10 10 10 10 10 10 10 10 10 10		1
04520 04521, 22 04523, 24 04602 04603 04604 04605	ECUX1E1042F\ ECUX1H330JC\ ECUX1E1042F\ ECUW1C105KBB ECEY0JV4700 ECUX1E1042F\ ECEY0JV3300 ECUX1H103KBB 7 ECUX1H103KB	V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U B C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 3.V 47U V C. CAPACITOR CH 3.V 0.1U E. CAPACITOR CH 3.V 0.1U E. CAPACITOR CH 3.V 0.1U V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 50V 0.01U			1C4008 1C4007 1C4008 1C4009 1C4010 1C4011 1C4012 1C4013 1C4013 1C4014 1C4018-17	NJM06281-D XC82AP3002P AK4503VF BA6138F BM138F-D IBC140528F-D IBC140528F NJM2073M TC7W125FU 7 NJM0628F-D NJM4580ED	10 10 10 10 10 10 10 10 10 10 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
04520 04521, 22 04523, 24 04602 04603 04604 04605 04606, 07 04606-10	ECUX1E104ZFV ECUX1H330JCV ECUX1E104ZFV ECUX1E104ZFV ECEV0JV4700 ECUX1E104ZFV ECEV0JV3300 ECUX1H105MBV FCUX1H105MBV ECUX1H105MBV ECUX1H105MBV ECUX1H105MBV ECUX1H105MBV ECUX1H105MBV	C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 6.3V 47U C. CAPACITOR CH 6.3V 33U C. CAPACITOR CH 6.3V 33U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 500 C. CAPACITOR CH 50V 500 C. CAPACITOR CH 50V 500 C. CAPACITOR CH 25V 0.1U			1C4008 1C4007 1C4008 1C4009 1C4010 1C4011 1C4012 1C4013 1C4014 1C4015-17 1C4018	NJMO62M-D XC62AP3002P AK4503VF SA6138F NJM062M-D MC14052BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14053BF NJMC14050BF NJMC14050BF NJMC14050BF NJMC14050BF	10 10 10 10 10 10 10 10 10 10		1
04520 04521, 22 04523, 24 04602 04603 04604 04605 04606,07 04608-10	EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTHTO5KB/ 7 EGUXTHTO5KB/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/ EGUXTETO4ZF/	/ C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 25V 0.1U B C. CAPACITOR CH 16V 1U E. CAPACITOR CH 16V 47U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 25V 0.1U / C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 50V 0.01U / C. CAPACITOR CH 50V 15P / C. CAPACITOR CH 50V 500P / C. CAPACITOR CH 50V 500P / C. CAPACITOR CH 50V 500P			1C4008 1C4007 1C4008 1C4009 1C4010 1C4011 1C4012 1C4013 1C4013 1C4014 1C4018-17	NJM06281-D XC82AP3002P AK4503VF BA6138F BM138F-D IBC140528F-D IBC140528F NJM2073M TC7W125FU 7 NJM0628F-D NJM4580ED	10 10 10 10 10 10 10 10 10 10 10		1
C4520 C4521, 22 C4523, 24 C4603 C4604 C4605 C4606, 07 C4608-10 C4611 C4611 C4611	EGUX1E1042F\ EGUX1H330JO\ EGUX1E1042F\ EGUX1E1042F\ EGUX1G1045F\ EGEV0JV3300 EGUX1H103KB\ 7 EGUX1H150JO\ EGUX1H561JO\ EGUX1H561JO\ EGUX1H103KB\ EGUX1H103KB\ EGUX1H561JO\ EGUX1H561JO\ EGUX1H103KB\ EGUX1H103KB\ EGUX1H103KB\	V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 3V 47U V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 50V 150P V C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U E. CAPACITOR CH 50V 0.01U			104006 104007 104008 104009 104010 104011 104012 104013 104014 104015-11 104018 104101 104101	NJB0628-D XC62AP3002P AK4503VF BA6138F NJB0628-D BC140528F BC140528F NJB2073M TC79125FU NJB0628-D NJB4550ED NJB4550ED NJB4550ED	10 10 10 10 10 10 10 10 10 10 10 10		1
C4520 C4521, 22 C4523, 24 C4602 C4603 C4604 C4605 C4606, 07 C4601 C4611 C4701 C4702	EGUX1E104ZF\ EGUX1H330JC\ EGUX1E104ZF\ EGUX1E104ZF\ EGUX1E104ZF\ EGEV0JV4700 EGUX1E104ZF\ EGEV0JV3300 EGUX1H150JC\ D EGUX1H561JC\ EGUX1H561JC\ EGUX1H561JC\ EGUX1H504ZF\ EGUX1H103KB\ EGA1EF0820 EGCY1HV3R30	V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 50V 33P V C. CAPACITOR CH 25V 0.1U B. C. CAPACITOR CH 16V 1U E. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 30V 33U V C. CAPACITOR CH 50V 0.01U V C. CAPACITOR CH 50V 15P V C. CAPACITOR CH 50V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U V C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U C. CAPACITOR CH 25V 0.1U E. CAPACITOR CH 50V 0.01U E. CAPACITOR CH 50V 0.3U			104008 104007 104008 104009 104010 104011 104012 104013 104014 104015-17 104018 104101 104102 104103 104103	NJM06281-D XC62AP3002P AK4503VF BA6138F NJM0628I-D M0140528F MC140528F NJM2073M TC7W125FU NJM0628I-D NJM4580ED NJM4580ED NJM4580ED NJM4580ED NJM4580ED	10 10 10 10 10 10 10 10 10 10 10 10 10 1		1
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	NJM386M	10	1				
		16	1	AJ-D800EN ONLY	R4001	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330 1
106501	UPD75316BE83	10	1		R4002	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33 1
108502	S8420BF	IC	1		R4003	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330 1
106503	S81350HG	10	1		R4004, 05	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470 2
106505	NJU7112AM	IC	-		R4006	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10 1
1 4000 04	15 004 00 1400	COIL 10UH	2			ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K 2
	VLQ0163J100		2		R4013, 14	 	M. RESISTOR CH 1/16W 100K 2 M. RESISTOR CH 1/16W 10K 3
	VLQ0163J100		2		R4015-17	ERJ3GEYJ103	
	VLQ0163J100	COIL 100H	1		R4019	ERJ3GEYG472 ERJ3GEYJ103	M. RESISTOR CH 1/16W 4. 7K 1 M. RESISTOR CH 1/16W 10K 1
L4701	VLQ0407680K VLQ0621	COIL	1		R4020	ERJ3GEYOROO	M. RESISTOR CH 3W O 1 AJ-DBOOE ONLY
L4702	VLQU021	0012	H,		R4021, 22	ERJ3GEYJ473	M. RESISTOR CH 3W 47K 2 AJ-DBOOE ONLY
D4001	VJP3816B050	CONNECTOR (MALE)	1		R4021, 22	ERJ3GEYJ182	M. RESISTOR CH 3W 1. 8K 1 AJ-D800E ONLY
P4001 P4002	VJP3172D002	CONNECTOR (MALE)	1		R4024	ERJ3GEYJ332	M. RESISTOR CH 3W 3. 3K 1 AJ-DBOOE ONLY
P4003	VJP1613T	CONNECTOR (MALE)	1		R4025	ERJ3GEYJ122	M. RESISTOR CH 3W 1.2K 1 AJ-DBOOE ONLY
P4004	VJP1609T	CONNECTOR (MALE)	1		R4026	ERJ3GEYJ332	III. RESISTOR CH 3W 3. 3K 1 AJ-DBOOE ONLY
P4005	VJP3172D002	CONNECTOR (MALE)	1		R4027	ERJ3GEYJ122	M. RESISTOR CH 3W 1.2K 1 AJ-DBOOE ONLY
P6501	VJP1944T	CONNECTOR (MALE)	1		R4031	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 1
70001	10-10-11	OGICE OF COLUMN	Ė		R4035	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K 1
PG4001	MCD5223	IC	1		R4036	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100 1
, 5-1001			<u> </u>		R4037	ERJ3GEYG822	M. RESISTOR CH 1/16W 8. 2K 1
Q4001	2SD1819A-R	TRANSISTOR	1		R4038, 39	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 2
94002	280602A-S	TRANSISTOR	1		R4040	VRE0034E164	M. RESISTOR CH 1/10W 160K 1
94003	2SB710A-R	TRANSISTOR	1		R4042	VRE0034E164	M. RESISTOR CH 1/10W 160K 1
94004	2SK663-R	TRANSISTOR	1		R4046	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K 1
94007	2SB1219-R	TRANSISTOR	1		R4047	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2. 7K 1
Q4008	2SB1220-R	TRANSISTOR	1	1	R4048	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1W 1
94009, 10	2SD1979	TRANSISTOR	2		R4049	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 1
94101-03	2SD1819A-R	TRANSISTOR	3		R4051	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K 1
94107	2SD1979	TRANSISTOR	1		R4061, 62	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 2
94110	2SD1979	TRANSISTOR	1		R4064, 65	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10 2
94111	2SB1220-R	TRANSISTOR	1		R4066	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 1
94201-03	2SD1819A-R	TRANSISTOR	3		R4068, 69	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K 2
94207	2SD1979	TRANSISTOR	1		R4070, 71	ERJ3GEYJ390	M. RESISTOR CH 1/16W 39 2
94210	2SD1979	TRANSISTOR	1		R4073	ERJ6GEYG392	M. RESISTOR CH 1/10W 3.9K 1
04211	2SB1220-R	TRANSISTOR	1		R4074, 75	ERJ12YJ682	M. RESISTOR CH 1/2W 6.8K 2
Q4302	2SD1979	TRANSISTOR	1	1	R4076	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K 1
Q4305-O7	2SD1979	TRANSISTOR	3		R4077	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K 1
Q4402	2SD1979	TRANSISTOR	1		R4079	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 1
94405-07	2SD1979	TRANSISTOR	3		R4081-83	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 3
Q4702, Q3	2301979	TRANSISTOR	2		R4084, 85	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K 2
94704	2SD874-R	TRANSISTOR	1		R4086	ERJ3GEYJ154	M. RESISTOR CH 1/16W 15OK 1
94705	2SB766-R	TRANSISTOR	1		R4087	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K 1
Q6501, O2	2SD968-R	TRANSISTOR	2		R4088	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 1
Q6503	2SD602A-S	TRANSISTOR	1		R4089	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100 1
					R4090-93	ERJ6GEYJ150	M. RESISTOR CH 1/10W 15 4
QR4001	UN5113	TRANSISTOR-RESISTOR	1		R4094	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 1
QR4006	UN5213	TRANSISTOR-RESISTOR	1		R4095	ERJ3GEY0R00	M. RESISTOR CH 1/16W D 1
QR4007	UN5113	TRANSISTOR-RESISTOR	1		R4101	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K 1
QR4010	UN5213	TRANSISTOR-RESISTOR	1		R4102	ERJ3GEYJ183	M. RESISTOR CH 1/10W 18K 1
QR4012	UN5213	TRANSISTOR-RESISTOR	1		R4103		M. RESISTOR CH 1/16W 47K 1
QR4013	UN5113	TRANSISTOR-RESISTOR	1		R4106		M. RESISTOR CH 1/16W 1K 1
QR4102, 03	UN5113	TRANSISTOR-RESISTOR	2		R4110		M. RESISTOR CH 1/16W 8. 2K 1
QR4104	UN521F	TRANSISTOR-RESISTOR	1		R4111		M. RESISTOR CH 1/16W 2.7K 1
QR4105	UN5113	TRANSISTOR-RESISTOR	1		R4112		M. RESISTOR CH 1/16W 4.7K 1
QR4108	UN521F	TRANSISTOR-RESISTOR	_1	· · · · · · · · · · · · · · · · · · ·	R4113		M. RESISTOR CH 1/16W 47 1
QR4107	UN5213	TRANSISTOR-RESISTOR	1		R4114		M. RESISTOR CH 1/16W 1. 5K 1
QR4108	UN5113	TRANSISTOR-RESISTOR	1		R4115		M. RESISTOR CH 1/16W 2. 2K 1
QR4201	UN5213	TRANSISTOR-RESISTOR					M. RESISTOR CH 1/16W 100K 1
QR4202, 03		TRANSISTOR-RESISTOR	2		R4117		M. RESISTOR CH 1/16W 3. 9K 1
QR4204	UN521F	TRANSISTOR-RESISTOR	1				M. RESISTOR CH 1/16W 10K 2
QR4205	UN5113	TRANSISTOR-RESISTOR	-1		R4120		III. RESISTOR CH 1/16W 47K 1
QR4206	UN521F	TRANSISTOR-RESISTOR	-!		R4121		M. RESISTOR CH 1/16W 1.5M 1
QR4207	UN5213	TRANSISTOR-RESISTOR	1		R4122		W. RESISTOR CH 1/16W 10K 1
QR4208	UN5113	TRANSISTOR-RESISTOR	1				M. RESISTOR CH 1/16W 100 1
QR4301, 02		TRANSISTOR-RESISTOR	2				M. RESISTOR CH 1/16W 22K 1
QR4303, 04		TRANSISTOR-RESISTOR	2		R4125		M. RESISTOR CH 1/16W 8.2K 1
QR4401, 02		TRANSISTOR-RESISTOR	2				C. RESISTOR 1/4W 15K 1 AJ-DBOOEN ONLY
QR4403, 04		TRANSISTOR-RESISTOR	2		R4130		M. RESISTOR CH 3W 15K 1 AJ-D800E ONLY
QR4507	UN5113	TRANSISTOR-RESISTOR	1				M. RESISTOR CH 3W 47K 2 AJ-D800E ONLY
QR4508	UN5213	TRANSISTOR-RESISTOR	-				M. RESISTOR CH 3W 1. BK 1 AJ-DBOOE ONLY
QR4601	UN5213	TRANSISTOR-RESISTOR	-1		R4134		M. RESISTOR CH 3W 3.3K 1 AJ-D800E ONLY
QR6501	UN5211	TRANSISTOR-RESISTOR	3				M. RESISTOR CH 3W 1.2K 1 AJ-D800E ONLY
QR6502-04	UN5213	TRANSISTOR-RESISTOR	3		R4136	ERJ3GEYJ332	M. RESISTOR CH 3W 3. 3K 1 AJ-D800E ONLY
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2 2 11	D . M.	Part Name & Descri	nt i and	0.0	Remarks	Ref. No.	Part No.	Part Name & Descr	iption	Pcs	Remarks
Ref. No.	Part No.		1. 2K		0800E ONLY	R4289		M. RESISTOR CH 1/16W	27K	1	
		M. RESISTOR CH 1/16W	100K	11 -	COOL CILL	R4290		M. RESISTOR CH 1/16W	120K	1	
	ERJ3GEYJ104		68K			R4291		M. RESISTOR CH 1/16W	470	1	
.,,,,,	ERJ3GEYJ683	M. RESISTOR CH 1/16W		+		R4292		M. RESISTOR CH 1/10W	1	1	
	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K					M. RESISTOR CH 1/10W	15	4	
R4146	ERJ3GEYJ105	M. RESISTOR CH 1/16W	111	1			ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	l i	
R4147	VRE0034E102	M. RESISTOR CH 1/10W	1K	1		R4297		M. RESISTOR CH 1/2W	6. 8K	2	
R4148	VRE0034E222	M. RESISTOR CH 1/10W	2. 2K	1			ERJ12YJ682		22K	1	·
R4149, 50	VRE0034E153	M. RESISTOR CH 1/10W	15K	2		R4307	VRE0034E223	M. RESISTOR CH 1/10W		+;	
R4151, 52	VRE0034E472	M. RESISTOR CH 1/10W	4. 7K	2		R4308	VRE0034E681	M. RESISTOR CH 1/10W	680	Η.	
R4153, 54	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	2		R4309	VRE0034E221	M. RESISTOR CH 1/10W	220	H	
R4155	ERJ3GEYJ471	M. RESISTOR CH 1/16W	470	1		R4310	VRE0034E223	M. RESISTOR CH 1/10W	22K	Ľ	
R4160	VRE0034E103	M. RESISTOR CH 1/10W	10K	1		R4312, 13	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	2	
R4161	VRE0034E153	M. RESISTOR CH 1/10W	15K	1		R4315	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	
R4162	VRE0034E103	M. RESISTOR CH 1/10W	10K	1		R4317	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	AJ-D800EN CNLY
R4163	VRE0034E153	M. RESISTOR CH 1/10W	15K	1		R4318	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	<u> </u>
R4164-66	VRE0034E103	M. RESISTOR CH 1/10W	10K	3		R4319	ERJ3GEYJ334	M. RESISTOR CH 1/16W	330K	1	il
R4183	ERJ3GEYJ334	M. RESISTOR CH 1/16W	330K	1		R4320	ERJ3GEYJ470	M. RESISTOR CH 1/16W	47	1	
	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	1		R4326	ERJ3GEYJ151	M. RESISTOR CH 1/16W	150	1	
R4184		M. RESISTOR CH 1/16W	22K	1		R4327	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1	
R4185	ERJ3GEYJ223		10K	1		R4328	ERJ3GEYJ392	M. RESISTOR CH 1/16W	3, 9K	1	
R4186	ERJ3GEYJ103	M. RESISTOR CH 1/16W	4. 7K	1		R4332	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1	
R4187	ERJ3GEYG472	M. RESISTOR CH 1/16W		+		R4334	ERJ3GEYJ470	M. RESISTOR CH 1/16W	47	1	
R4189	ERJ3GEYJ273	M. RESISTOR CH 1/16W	27K			R4335	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	Ti	
R4190	ERJ3GEYJ124	M. RESISTOR CH 1/16W	120K	-; -				M. RESISTOR CH 1/10W		١,	
R4191	ERJ3GEYJ471	M. RESISTOR CH 1/16W	470	-! -		R4336	ERJ3GEYG152		1. SK	H	
R4192	ERJ6GEYJ1R0	M. RESISTOR CH 1/10W	1	1		R4337	ERJ3GEYJ103	M. RESISTOR CH 1/16W	470	+ ;	
R4193-96	ERJ6GEYJ150	M. RESISTOR CH 1/10W	15	4		R4338	ERJ3GEYJ471	M. RESISTOR CH 1/16W		+-!	
R4197	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1		R4339	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	₽!	
R4201	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1		R4340	ERJ3GEYJ821	M. RESISTOR CH 1/16W	820	1	
R4202	ERJ3GEYJ183	M. RESISTOR CH 1/16W	18K	1		R4341	ERJ3GEYJ104	M. RESISTOR CH 1/16W		1	
R4203	ERJ3GEYJ473	M. RESISTOR CH 1/16W	47K	1		R4344	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
R4206	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1		R4345	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	<u> </u>
R4210	ERJ3GEYG822	M. RESISTOR CH 1/16W	8. 2K	1		R4405, 06	ERJ12YJ682	M. RESISTOR CH 1/2W	6. 8K	2	2
R4211	ERJ3GEYJ272	M. RESISTOR CH 1/16W	2. 7K	1		R4407	VRE0034E223	M. RESISTOR CH 1/10W	22K	_1	l <u> </u>
R4212	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	1		R4408	VRE0034E681	M. RESISTOR CH 1/10W	680	1	
R4213	ERJ3GEYJ470	M. RESISTOR CH 1/16W	47	1		R4409	VRE0034E221	M. RESISTOR CH 1/10W	220	П	
	ERJ3GEYG152	M. RESISTOR CH 1/10W	1. 5K	1		R4410	VRE0034E223	M. RESISTOR CH 1/10W	22K	1	
R4214		M. RESISTOR CH 1/16W		1		R4412, 13	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	2
R4215	ERJ3GEYJ222	M. RESISTOR CH 1/16W		1		R4415	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	
R4216	ERJ3GEYJ104			1		R4417	ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	AJ-DBOOEN ONLY
R4217	ERJ3GEYJ392	M. RESISTOR CH 1/16W	10K	2		R4418	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
R4218, 19	ERJ3GEYJ103	M. RESISTOR CH 1/16W		- 1		R4419	ERJ3GEYJ334	M. RESISTOR CH 1/16W		1	
R4220	ERJ3GEYJ473	M. RESISTOR CH 1/16W	47K			R4420	ERJ3GEYJ470	M. RESISTOR OH 1/16W	47	1	
R4221	ERJ3GEYJ155	M. RESISTOR CH 1/16W				R4426	ERJ3GEYJ151	M. RESISTOR CH 1/16W	150	$\pm i$	
R4222	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1			-	M. RESISTOR CH 1/16W	10K	۱,	
R4223	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	1		R4427	ERJ3GEYJ103			H	
R4224	ERJ3GEYJ223	M. RESISTOR CH 1/16W	22K	1		R4428	ERJ3GEYJ392	M. RESISTOR CH 1/16W		H	
R4225	ERJ3GEYG822	M. RESISTOR CH 1/16W	8. 2K	1		R4432	ERJ3GEYJ103	M. RESISTOR CH 1/16W		H	
R4226	ERJ3GEYJ222	M. RESISTOR CH 1/16W	2. 2K	1		R4434	ERJ3GEYJ470	M. RESISTOR CH 1/16W	47	-	
R4230	ERDS2TJ153	C. RESISTOR 1/4W	15K	1 AJ	-D800EN ONLY	R4435	ERJ3GEYJ103	M. RESISTOR CH 1/16W		1	<u> </u>
R4230	ERJ3GEYJ153	M. RESISTOR CH 3W	15K	1 AJ	-D800E ONLY	R4436	ERJ3GEYG152	M. RESISTOR CH 1/16W		1	
R4231, 32	-	M. RESISTOR CH 3W		2 AJ-	-D800E ONLY	R4437	ERJ3GEYJ103	M. RESISTOR CH 1/16W		1	
R4233	ERJ3GEYJ182		1. 8K	1 AJ	-D800E ONLY	R4438	ERJ3GEYJ471	M. RESISTOR CH 1/16W		1	
R4234	ERJ3GEYJ332		3. 3K	1 AJ	-D800E ONLY	R4439	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1	
R4235	ERJ3GEYJ122		1. 2K	1 AJ	-D800E ONLY	R4440	ERJ3GEYJ821	M. RESISTOR CH 1/16W	820	1	<u> </u>
R4236	ERJ3GEYJ332		3. 3K		-D800E ONLY	R4441	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
R4237	ERJ3GEYJ122		1. 2K	-	-D800E ONLY	R4444	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
	ERJ3GEYJ104			1		R4445	ERJ3GEY0R00	M. RESISTOR CH 1/16W		1	
R4242	ERJ3GEYJ683			1		R4502	ERJ3GEYG682	M. RESISTOR CH 1/16W		1	
R4244				1		R4503	ERJ3GEYJ153	M. RESISTOR CH 1/16W		1	
R4245	ERJ3GEYJ103			1		R4509	ERJ3GEYJ222	M. RESISTOR CH 1/16W		1	
R4246	ERJ3GEYJ105	M. RESISTOR CH 1/16W				R4510	ERJ3GEYG472	M. RESISTOR CH 1/16W		1	
R4247	VRE0034E102					R4511	ERJ3GEYJ101	M. RESISTOR CH 1/16W		H	
R4248	VRE0034E222			1			VRE0034E433	M. RESISTOR CH 1/10W		H	
R4249, 50				2		R4512	+	M. RESISTOR CH 1/10W		H	
R4251, 52				2		R4513	ERJ3GEYJ103			H	
R4253, 54	ERJ3GEYJ103			2		R4515	ERJ3GEYJ563	M. RESISTOR CH 1/16W	_	₩,	
R4255	ERJ3GEYJ471	M. RESISTOR CH 1/16W		1		R4516	ERJ3GEYJ273	M. RESISTOR CH 1/16W		<u> </u>	
R4260	VRE0034E103	M. RESISTOR CH 1/10M	10K	1		R4517	ERJ3GEYJ470	M. RESISTOR CH 1/16W		Ľ	
R4261	VRE0034E153	M. RESISTOR CH 1/10W	15K	1		R4524	ERJ3GEYJ391	M. RESISTOR CH 1/16W		1	4
R4262	VRE0034E103	M. RESISTOR CH 1/10M	10K	1		R4525	ERJ3GEYJ222	M. RESISTOR CH 1/16W		\perp	
R4263	VRE0034E153			1		R4526	ERJ3GEYJ102	III. RESISTOR CH 1/16W	1K	1	<u> </u>
R4264-66				3		R4527	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1	
R4283	ERJ3GEYJ334			1		R4529, 30	ERJ3GEYG822	M. RESISTOR CH 1/16W	8. 2K	2	
R4284	ERJ3GEYG472			1		R4555, 56		M. RESISTOR CH 1/16W		2	
				11		R4601	ERJ3GEYJ471	M. RESISTOR CH 1/16W		1	
R4285	ERJ3GEYJ223			1		R4602	ERJ3GEYJ104	M. RESISTOR CH 1/16W		1	
R4286	ERJ3GEYJ103			1 1		R4603	VRE0034E221	M. RESISTOR CH 1/10W		H	
R4287	ERJ3GEYG472	M. RESISTOR CH 1/169	→. /K	 ' -						†	
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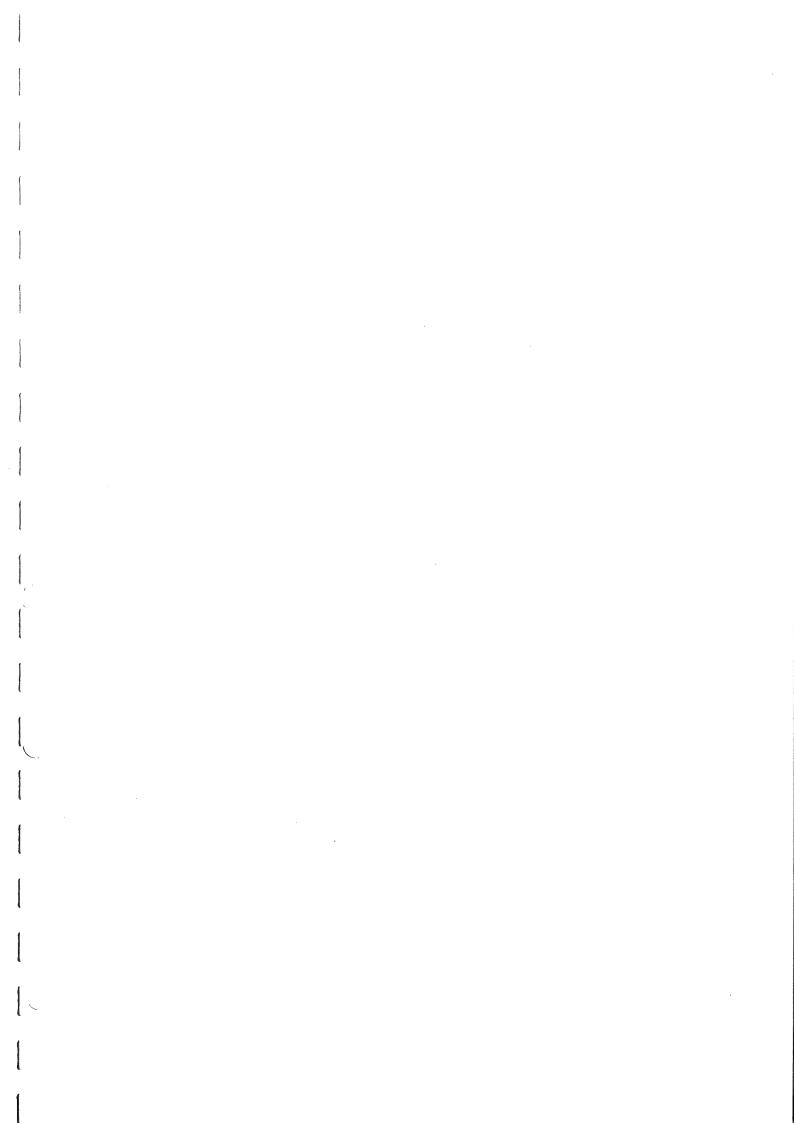
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R4704 R106EY9681 R. RESISTOR CH 1/10W 680 1	1 1 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1
RA7104 BJAGECYGROS M. RESISTOR CH 1/10M 686 1	1 1 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1
NATION NECOSAFERS RESISTOR CH 1/10W 68K 1	1 2 1 2 2
R4706 RECOGNETIES M. RESISTOR OH 1/10W 1.8K 1	1 2 1 2 2
NATION BUJGGETGIO N. RESISTOR CH 1/6W 100 1	1 2 1 2 2
RATION BIJOSECTION RESISTOR CH 1/10W 33K 1	1 2 1 2 2
R4710 SUAGEY.4470 SURESISTOR ON 1/169 47 1	1 2
RA712 BRJGEFVIO BRSISTOR CH 1/169 10 1	1 2
RA712 R.J.GGEV.100 M. RESISTOR CH 1/169 10K 6 WA201 WR4001	
RA713-18 RJ3GEFJ103 R. RESISTOR CH 1/169 10K 6 WR4202_03 EWIJJAG00814 V. RESISTOR 10K RA719_20 RJ3GEFVJ402 RESISTOR CH 1/109 2 2 WR4301 EWIJJAG00814 V. RESISTOR CH 1/106 10K RA712-24 RJ3GEFVJ407 RJ3GEFJ4070 RJ3	
RA719, 20 R.J.GEV_12R2 M. RESISTOR CH 1/10M 2, 2 2 VRA501 EVMTJGA00814 V. RESISTOR CH 1/10M 0 4 VRA501 EVMTJGA00814 V. RESISTOR CH 1/10M 0 4 VRA501 EVMTJGA00814 V. RESISTOR CH 1/10M 1/4 VRA502 EVMTJGA00814 V. RESISTOR CH 1/10M 1/4 VRA503 EVMTJGA00814 V. RESISTOR CH 1/10M 1/4 VRA503 EVMTJGA00814 V. RESISTOR CH 1/10M 1/4 VRA503 EVMTJGA00814 V. RESISTOR CH 1/10M 1/4 VRA503 EVMTJGA00854 V. RESISTOR CH 1/10	
RAPIZIT-2-6 RAJGREYOROD M. RESISTOR CH 1/108 0 4 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R4725 RJJGETJ470 B. RESISTOR CH 1/16W 47 1 W4501 EVR7JGA00B14 V. RESISTOR 10K R4726 RJJGETJ103 B. RESISTOR CH 1/16W 0 1 W48603 EVR7JGA00B14 V. RESISTOR 50K R4728 RJJGETJ103 B. RESISTOR CH 1/16W 0 1 W48603 EVR7JGA00B14 V. RESISTOR 50K R4802 RJJGETJ103 B. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR 10K R4802 RJJGETJ103 B. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 1 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 V. RESISTOR CH 1/16W 0 W78714 W78	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
RA726 BRJ3GEYORO BL RESISTOR CH 1/16W 0 1 1 VR4503 EWBJJGACO854 V. RESISTOR SOK RA728 BRJ3GEYORO BL RESISTOR CH 1/16W 10K 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4701 EWBJJGACO854 V. RESISTOR DA 1/16W 0 1 VR4801 VRX00940 CRYSTAL OSCILLATOR RA811 REJISTOR CH 1/16W 0 1 VRX00940 CRYSTAL OSCILLATOR RA811 REJISTOR CH 1/16W 0 1 VRX00940 CRYSTAL OSCILLATOR VR8601 ERJ3GEYJGAC WRECO34E104 BL RESISTOR CH 1/16W 0 1 VRX00940 CRYSTAL OSCILLATOR RA811 REJISTOR CH 1/16W 0 VRX00940 CRYSTAL OSCILLATOR VR8601 VRECO34E104 BL RESISTOR CH 1/16W 100K 1 VRX00940 CRYSTAL OSCILLATOR VR8601 VRECO34E104 BL RESISTOR CH 1/16W 100K 1 VRX00940 CRYSTAL OSCILLATOR VR8601 VRECO34E104 BL RESISTOR CH 1/10W 100K 1 VRX00940 CRYSTAL OSCILLATOR VR8601 VRECO34E104 BL RESISTOR CH 1/10W 100K 1 VRX00940 CRYSTAL OSCILLATOR VR8601 VRECO34E104 BL RESISTOR CH 1/10W 100K 1 VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VR8601 VRECO34E104 BL RESISTOR CH 1/10W 100K 1 VRX01144 LED SPACER VRECO34E104 BL RESISTOR CH 1/10W 100K 1 VRX01144 LED SPACER VRECO34E104 BL RESISTOR CH 1/10W 100K 1 VRX01144 LED SPACER VR8601 BLJGGEYJDO BL RESISTOR CH 1/16W 100K 2 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR VRX00940 CRYSTAL OSCILLATOR CRYSTAL VRX00940 CRYSTAL OSCILLATOR CRYSTAL VRX00940 CRYSTAL OSCILLATOR CRYSTAL VRX00940 CRYSTAL VRX00940 CRYSTAL VRX00940 CRYSTAL VRX00940 CRYSTA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
RA728	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R4728 RJ3GEYJ103 M. RESISTOR CH 1/169 10K 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R4802 ENJGEYOROO M. RESISTOR CH 1/19W O 1	1 1 1 1 1
R4807, OB ERJSGEYOROO M. RESISTOR CH 1/10W O 2	1 1 1 1
R4810 ERJ8GEY0ROD BL RESISTOR CH 1/10W 0 1 1	1
R4811 ERJ3GEY0ROO B. RESISTOR CH 1/16W O 1	1
Re501 Re30E174223 M. RESISTOR CH 1/10W 22K 1 Re502 VRE0034E104 M. RESISTOR CH 1/10W 100K 1 Re503 VRE0034E503 M. RESISTOR CH 1/10W 56K 2 VSL0721 BACK LIGHT BASE VSL0721 BACK	1
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Re503	
R6504, 05 VRE0034E563	
R6506 WE0034E472 M. RESISTOR CH 1/10W 4.7K 1 R6507 ERJ6GEYG155 M. RESISTOR CH 1/10W 1.5M 1 R6508 ERJ3GEYJ104 M. RESISTOR CH 1/16W 100K 1 R6509, 10 ERJ3GEYJ104 M. RESISTOR CH 1/16W 22K 3 R6512—14 ERJ3GEYJ223 M. RESISTOR CH 1/16W 22K 3 R6515 ERJ3GEYJ104 M. RESISTOR CH 1/16W 100K 1 R6516, 17 ERJ3GEYJ104 M. RESISTOR CH 1/16W 100K 2 R6518, 19 ERJ3GEYJ103 M. RESISTOR CH 1/16W 100K 2 R6519, 19 ERJ3GEYJ103 M. RESISTOR CH 1/16W 100K 2 R6530 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 R6531 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 R6533 ERJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 R6533 ERJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 R6534 ERJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 R6540 BRJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 C1022 ECWH102JV C. CAPACITOR CH 50V 0.022U R6531 ERJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 C1024 ES ECOP1682JZ P. CAPACITOR CH 50V 0.022U R6540 BRJ3GEYJ101 M. RESISTOR CH 1/16W 10D 3 C1026 ECW104700 E. CAPACITOR CH 50V 1000P R6540 BRJ3GEYJ304 M. RESISTOR CH 1/16W 880 1 C1028 ECW104700 E. CAPACITOR CH 16V 47U R6540 ERJ3GEYJ304 M. RESISTOR CH 1/16W 880 1 C1030 ECW1H151JCV C. CAPACITOR CH 50V 220P R6540 BRJ3GEYJ304 M. RESISTOR CH 1/16W 390K 1 C1031 ECW1H1390JCV C. CAPACITOR CH 50V 30P R6540 BRJ3GEYJ304 M. RESISTOR CH 1/16W 10K 1 C1033 ECW2H1390JCV C. CAPACITOR CH 50V 30P R6550 BRJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 C1034 ECW114390JCV C. CAPACITOR CH 50V 30P R6550 BRJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 C1035 ECW114273KBN C. CAPACITOR CH 50V 0.027U R6553 BRJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 C1036 ECW114273KBN C. CAPACITOR CH 50V 0.027U R6553 BRJ3GEYJ202 M. RESISTOR CH 1/16W 10K 1 C1036 ECW114273KBN C. CAPACITOR CH 50V 0.027U R6553 BRJ3GEYJ202 M. RESISTOR CH 1/16W 10K 1 C1036 ECW114273KBN C. CAPACITOR CH 50V 0.027U R6550 BRJ3GEYJ202 M. RESISTOR CH 1/16W 10K 1 C1036 ECW114273KBN C. CAPACITOR CH 50V 0.027U R6553 BRJ3GEYJ202 M. RESISTOR CH 1/16W 10K 1 C1036 ECW114273KBN C. CAPACITOR CH 50V 0.027U R6553 BRJ3GEYJ202 M. RESISTOR CH 1/16W 10K 1	1
Re500	1
Re508 ERJ3GEYJ104 M. RESISTOR CH 1/16W 100K 1 Re512-14 ERJ3GEYJ223 M. RESISTOR CH 1/16W 22K 3 Re515 ERJ3GEYJ104 M. RESISTOR CH 1/16W 22K 3 Re516, 17 BRJ3GEYJ104 M. RESISTOR CH 1/16W 100K 1 Re516, 17 BRJ3GEYJ104 M. RESISTOR CH 1/16W 100K 2 Re516, 17 BRJ3GEYJ104 M. RESISTOR CH 1/16W 100K 2 Re516, 19 ERJ3GEYJ104 M. RESISTOR CH 1/16W 100K 2 Re518, 19 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 Re518 BRJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 Re530 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 Re531 BRJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 Re533 ERJ3GEYJ104 M. RESISTOR CH 1/16W 10K 1 Re533 ERJ3GEYJ105 M. RESISTOR CH 1/16W 10K 1 Re534-36 BRJ3GEYJ394 M. RESISTOR CH 1/16W 10K 1 Re540, 41 BRJ3GEYJ394 M. RESISTOR CH 1/16W 10W 390K 2 RE540 ERJ3GEYJ394 M. RESISTOR CH 1/16W 10W 390K 2 Re540 ERJ3GEYJ394 M. RESISTOR CH 1/16W 390K 1 RE550, 51 BRJ3GEYJ394 M. RESISTOR CH 1/16W 10K 1 RE550, 51 BRJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 RE553 BRJ3GEYJ102 M. RESISTOR CH 1/16W 390K 1 RE553 BRJ3GEYJ102 M. RESISTOR CH 1/16W 390K 1 C1031 ECUXIHASOUGV C. CAPACITOR CH 50V 220P RE554 BRJ3GEYJ394 M. RESISTOR CH 1/16W 390K 1 C1033 ECUXIHASOUGV C. CAPACITOR CH 50V 39P RE554 BRJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 C1034 ECUXIHASOUGV C. CAPACITOR CH 50V 0.027U RE555 BRJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 C1035 ECUXIHASOUGV C. CAPACITOR CH 50V 0.027U RE555 BRJ3GEYJ223 M. RESISTOR CH 1/16W 22K 1 C1036 ECUXIHASOUGV C. CAPACITOR CH 50V 0.027U RE555 BRJ3GEYJ223 M. RESISTOR CH 1/16W 1K 1 C1036 ECUXIHASOUGV C. CAPACITOR CH 50V 0.027U RE555 BRJ3GEYJ223 M. RESISTOR CH 1/16W 1K 1 C1037 ECUXIHASOUGV C. CAPACITOR CH 50V 0.027U RE555 BRJ3GEYJ223 M. RESISTOR CH 1/16W 1K 1 C1038 ECUXIHASOUGV C. CAPACITOR CH 50V 0.027U RE555 BRJ3GEYJ223 M. RESISTOR CH 1/16W 1K 1 C1038 ECUXIHASOUGV C. CAPACITOR CH 25V 0.01U RE555 BRJ3GEYJ223 M. RESISTOR CH 1/16W 1K 1 C1038 ECUXIHASOUGV C. CAPACITOR CH 25V 0.01U	`
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Re518, 19 ERJ3GEYJ104 M. RESISTOR CH 1/16W 100K 2 Re630 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 1 Re631 BRJ3GEYJ823 M. RESISTOR CH 1/16W 20K 1 Re633 ERJ3GEYJ102 M. RESISTOR CH 1/16W 20K 1 Re633 ERJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 C1023 EGUXIH102JV C. CAPACITOR CH 50V 0. 022U Re634—36 ERJ3GEYJ102 M. RESISTOR CH 1/16W 10K 1 C1024, 25 ECQP1682JZ P. CAPACITOR CH 10V 8800P Re534—36 ERJ3GEYJ101 M. RESISTOR CH 1/16W 10K 1 C1026 EGEV16V470Q E. CAPACITOR CH 16V 47U Re540, 41 BRJ3GEYJ394 M. RESISTOR CH 1/16W 880 1 C1028 EGUXIH221JCV C. CAPACITOR CH 50V 220P Re542 ERJ3GEYJ681 M. RESISTOR CH 1/16W 880 1 C1030 EGUXIH351JCV C. CAPACITOR CH 50V 39P Re543 ERJ3GEYJ394 M. RESISTOR CH 1/16W 390K 1 C1031 EGUXIH390JCV C. CAPACITOR CH 50V 39P Re546 ERJ3GEYJ394 M. RESISTOR CH 1/16W 1K 1 C1032 EGUMIE473KBN C. CAPACITOR CH 50V 0.047U Re550, 51 ERJ6GEYF561 M. RESISTOR CH 1/16W 560 2 C1033 EGEVONN100Q E. CAPACITOR CH 50V 0.047U Re553 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 C1034 EGUMIH273KBN C. CAPACITOR CH 50V 0.027U Re553 ERJ3GEYJ223 M. RESISTOR CH 1/16W 22K 1 C1035 EGUXIH822KBV C. CAPACITOR CH 50V 0.027U Re553 ERJ3GEYJ223 M. RESISTOR CH 1/16W 1K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 22K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 1K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 22K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 1K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 22K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 1K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 22K 1 ERJ5GEYJ102 M. RESISTOR CH 1/16W 1K 8	1
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Re531 R.J36EY.J823 M. RESISTOR CH 1/16W 82K 1	1
Re533	1
Re534 RJ3GEYJ101 M. RESISTOR CH 1/16W 100 3 C1026 ECEVICV4700 E. CAPACITOR CH 16V 47U R6540, 41 ERJ3GEYJ584 M. RESISTOR CH 1/16W 880 1 C1030 EQUXIHI21JCV C. CAPACITOR CH 50V 220P R6542 ERJ3GEYJ581 M. RESISTOR CH 1/16W 880 1 C1030 EQUXIHI51JCV C. CAPACITOR CH 50V 150P R6543 ERJ3GEYJ394 M. RESISTOR CH 1/16W 390K 1 C1031 ECUXIHI390JCV C. CAPACITOR CH 50V 39P R6546 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 C1032 ECUMIE473KBN C. CAPACITOR CH 25V 0.047U R6550, 51 ERJ6GEYF561 M. RESISTOR CH 1/16W 1K 1 C1034 ECUMIH273KBN C. CAPACITOR CH 6.3V 10U R6553 ERJ3GEYJ102 M. RESISTOR CH 1/16W 22K 1 C1035 ECUXIH822KBV C. CAPACITOR CH 50V 8200P R6554-61 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 8 C1036 ECUXIE104ZFV C. CAPACITOR CH 25V 0.1U C1036 ECUXIENCE CH 25V 0.1U C1036 ECUXIENCE CH 25V 0.1U C1036 ECUXIENCE CH 25V 0.1U C1036 ECUXIENCE CH 25V 0.1U C10	1
Re540	<u>z</u>
R6542 ERJ3GEYJ681 M. RESISTOR CH 1/16W 680 1 R6543 ERJ3GEYJ394 M. RESISTOR CH 1/16W 390K 1 R6546 ERJ3GEYJ394 M. RESISTOR CH 1/16W 1K 1 R6550, 51 ERJ6GEYF561 M. RESISTOR CH 1/16W 1K 1 R6552 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 R6553 ERJ3GEYJ223 M. RESISTOR CH 1/16W 22K 1 R6554-61 ERJ3GEYJ223 M. RESISTOR CH 1/16W 1K 8 C1030 ECUX1H350JCV C. CAPACITOR CH 50V 39P C1031 ECUX1H390JCV C. CAPACITOR CH 25V 0. 047U C1032 ECUM1E473KBN C. CAPACITOR CH 6.3V 10U C1034 ECUM1H273KBN C. CAPACITOR CH 50V 0. 027U R6553 ERJ3GEYJ223 M. RESISTOR CH 1/16W 22K 1 C1035 EGUX1H822KBV C. CAPACITOR CH 50V 0. 2200P R6554-61 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 8	1
Re542 ERJ3GEYJ661 M. RESISTOR CH 1/16M 680 1	1 .
R6543 ERJ3GEYJ394 M. RESISTOR CH 1/16W 390K 1 C1031 ECUX1H390JGV C. CAPACITOR CH 50V 39P R6546 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 C1032 ECUMITE473KBN C. CAPACITOR CH 25V 0. C47U R6550, 51 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 C1033 ECEVOJN100Q E. CAPACITOR CH 6.3V 10U R6552 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1 C1034 ECUMITH273KBN C. CAPACITOR CH 50V 0. 027U R6553 ERJ3GEYJ223 M. RESISTOR CH 1/16W 22K 1 C1035 EQUXITH322KBV C. CAPACITOR CH 25V 0. 1U R6554-61 ERJ3GEYJ102 M. RESISTOR CH 1/16W 1K 8 C1038 EQUXITE104ZFV C. CAPACITOR CH 25V 0. 1U	1
Re546 BRJ3GEYJ102 M. RESISTOR CH 1/16W 1K 1	1
Re550, 51 RJ66EYF561 M. RESISTOR CH 1/10W 560 2 C1033 ECEVOLN1000 E. CAPACITOR CH6.3V 10U	1
Re553 R.J3GEY.J102 M. RESISTOR CH 1/16W 1K 1	1
R6553 ERJ3GEYJ223 ML RESISTOR CH 1/16W 22K 1 C1035 ECUX1H822KBV C. CAPACITOR CH 50V 8200P C1036 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U	
R6554-61 ERJ3GEYJ102 ML RESISTOR CH 1/16M 1K 8 C1036 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U	
ROOF OF BROOKETOILE IN THE PROPERTY OF A PRO	1
THE PROPERTY OF THE PROPERTY O	1
R6562-64 ERJ3GEYJ823 M. RESISTOR CH 1/16W 82K 3 C1037 ECEVOJN1000 E. CAPACITOR CH6. 3V 10U	1
R6566 ERJ3GEYJ823 M. RESISTOR CH 1/16W 82K 1 C1038 ECUX1H222KBV C. CAPACITOR CH 50V 2200P	1
RECORD ERGOSETIONS IN THE CONTROL OF CARDIOTOR	1
ROOF TO EROSE 19475 III. RESTORE OF THE TENT	1
ROD/3 ENOBETIAL/1 III. RESISTANT AT 17 TO 1000 1	
RGC/4 ENGOGETGGST III. RECOTOR OF 77 TO GGG	
R6575 ERJ39EYJ223 ML RESISTOR CH 1/16W 22K 1	
Re576 ERJ3QEYJ102 ML RESISTOR CH 1/16W 1K 1	1
RY4101 VSY2070 RELAY 1 D1001 RK34 D100E	1
	2
TITAL MALE TO THE TITLE TO THE	
SMATOL USSOJAT-ORB SWITCH 1 FL1001 E1R70F012B TRANSFORMER	1
384/01 Y35U30/~D05 SH110H	1
SW6501 VSS0186 SWITCH 1	.1
SW8502 VSS0187 SWITCH 1 10001 N.MA558N-D IC	
SW6503, Q4 VSS0186 SW1TCH 2	
3W6505 VSS0187 SWITCH 1 L1001 VLQ0423J472 COIL 4700UH	1
3W6506 VSS0196 SWITCH 1 L1010 VLP0320 C01L	1
1330100 1111111111111111111111111111111	2
380007 EVOLUCION ON THE 1	
3#COLO 10/15330167 3#11-01	1
SN6511 EVQQSB04B SWITCH 1	4
\$88612 VSS0188 \$811TCH 1 P1001 VJP3810E040 CONNECTOR (MALE)	11
\$86514 VSS0186 \$811TCH 1 P1003 VJP31258009 CONNECTOR (BALE)	
\$86516 EVQQ\$205K \$WITCH 1 P1004 VJP31258003 CONNECTOR (MALE) 3P	1
SHOOLD EAGUSTON ONLY OF THE CONTROL	1
\$\\\ 80000000000000000000000000000000000	1
DAMES IN THE TOTAL CONTROL OF THE PARTY OF T	1
T4701 VLT0823 TRANSFORMER 1 P1008 VJP31720002 CONNECTOR (MALE)	1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Ref. No.		Part Name & Description	Pcs		. No.		Part Name & Description		
		CONNECTOR (MALE)	1	P960)1	VJP1595T	CONNECTOR (MALE) 2P	- '	
		CONNECTOR (MALE)	1		101	VST0076	SWITCH	-	
		CONNECTOR (MALE) 3P	1	SH96	101	A2100\e	SWITCH	-	
1012 V		CONNECTOR (MALE)	1		-			Ŀ	
1014 V	/JP3125B004	CONNECTOR (MALE)	1					L	
1015 V	/JP3098B050	CONNECTOR (MALE)	1	 8	23	VEPO0W04A	TOGGLE SW P. C. BOARD	_1	(RTL)
	/JS3551	CONNECTOR (FEMALE)	2		1				
		CONNECTOR (MALE)	1						
				D930	01-07	MA165	D100E	7	
01001	2SJ280S	TRANSISTOR	1						
		TRANSISTOR	1	P930)1	VJP1611T	CONNECTOR (MALE)	1	
			1		-				
		TRANSISTOR	1	SWOO	101-03	VST0300	SWITCH	3	
		TRANSISTOR	_			VST0299	SWITCH	Ť	
Q1006-08 2		TRANSISTOR	3	SW93	104	4910588	SHITON	-	
		TRANSISTOR	1					\vdash	
Q1010, 11 2	2SD1821-R	TRANSISTOR	2				MISCELLANEOUS	├-	
								ļ	
QR1001-06 L	UN5113	TRANSISTOR-RESISTOR	6		1	VMP4838	SW HOLDER ANGLE	_1	
								L	
R1001 E	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1						
		M. RESISTOR CH 1/10W 150	1	■ E	24	VEPOOWO5A	MODE CHECK P. C. BOARD	1	(RTL)
			1					r	
	VLF1315A102		2						
	VLF1315A102		1	P950	<u>, </u>	VJP1595T	CONNECTOR (MALE) 2P	1	
		FILTER		P950		7-57 7-50-51	CONTROL OF CHILD	H	
		FILTER	2			D-mocace*	OWLTON	1	
		C. RESISTOR 1/4W 4.7	1	SW95)UI	EVQQS205K	SWITCH	닏	
R1016	ERJ6GEYJ1RO	M. RESISTOR CH 1/10W 1	1					<u> </u>	
R1020	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1					L	<u> </u>
		M. RESISTOR CH 1/16W 3.9K	1	■ E	E25	VEPOOW07A	ALARM/MONITOR P. C. BOARD	_1	(RTL)
		M. RESISTOR CH 1/16W 680	1						
		M. RESISTOR CH 1/8W 1	1						
******		M. RESISTOR CH 1/16W 18K	1	D910	01	MA165	DIODE	1	
			1					Ϊ́	
		M. RESISTOR CH 1/16W 39	-		<u>, </u>	VJP1613T	CONNECTOR (MALE)	1	
		M. RESISTOR CH 1/16W 1K	1	P910	"	10101	OUNTED (OR (MALE)	Η,	
		M. RESISTOR CH 1/16W 22K	1			EDDOSTO	O DECICTOR 1/44 A	1	-
		M. RESISTOR CH 1/1697 10K	1	R910	VI .	EROS2TO	C. RESISTOR 1/4W 0	⊢¹	ļ
R1032, 33	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	2					_	
	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	SW91	101	EVQQS205K	SWITCH	1	
		M. RESISTOR CH 1/16W 1K	1						
		M. RESISTOR CH 1/16W 120K	1	VR91	101, 02	VRV0099	V. RESISTOR	2	
		M. RESISTOR CH 1/16W 47	1						
		M. RESISTOR CH 1/16W 820	1						
			Hi	8	F26	VEP80961B	BACKUP BATTERY P. C. BOARD	1	(RTL)
						VE. 00001D		H	V
		M. RESISTOR CH 1/16W 220	1					\vdash	
		M. RESISTOR CH 1/16W 2.2K	1			D0000 /D044	DATTERY UNIDED	-	
R1042		M. RESISTOR CH 1/16W 4.7K	1	B1		R2032/B8H1	BATTERY HOLDER	1	
R1043	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1					_	
R1044	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1						
	ERJ3GEYJ223	M. RESISTOR OH 1/16W 22K	1	■ 6	E27	VEPOOW08B	HEAD PHONE P. C. BOARD	1	(RTL)
		M. RESISTOR CH 1/16W 4.7K	2					L	
		M. RESISTOR CH 1/16W 680	1						
		M. RESISTOR CH 1/16W 47	1	C920	01, 02	ECKF1H102ZF	G. CAPACITOR 50V 1000P	2	
		M. RESISTOR OH 1/16W 0	H						
R1055	ENJOYEE TUROU	E. RESISTUR OF 1/100 U	⊢'	J920	01	VJJ0522	JACK	1	
		TO AMOTORITO	+-	1 3020				ť	
T1001	VLT0729	TRANSFORMER	1		12	W D0147	MIL	2	
			-	L1, L	<u> </u>	VLP0147	COIL		
TG1001	EYF6CU	TEST POINT	1					-	
			L	P920	01	VJP1608T	CONNECTOR (MALE)	1	
TP1001	EYF8CU	TEST POINT	1						
VR1001	VRV0161B503	V. RESISTOR 50K	1	• •	E28	VEPOOX87A	DC INPUT P. C. BOARD	1	(RTL)
VR1002	VRV0161B103	V. RESISTOR 10K	1						
*******	,		r						
	 	MI SUST I AMEURO	t	D1		\$3V40	DIODE	1	
		MISCELLANEOUS	+-			-5, 40		÷	
		 	\vdash	 			MICOELI AMPONIO		
	VMP4846	JACK ANGLE	1				MISCELLANEOUS		
	XYN3+K6	SCREW	1					-	<u> </u>
			L			VJP2717	CONNECTOR (MALE)	1	
			Г						
	VEP80980A	VTR FLEXIBLE P. C. BOARD	Ti	(RTL)				_	
₩ 591	1	1	1	• •	E29	VEP20537A	FRONT TOGGLE P. C. BOARD	1	(RTL)
₩ E21		 	۰	- <u></u> -					
₩ E21	1	1	1	 				_	
		DOMES ON D A DOLLAR	1 4						
₩ E21	VEPOOMOSA	POWER SW P. C. BOARD	1	(RTL)		vi logo annos "	CONNECTOD /FEMALES	4	
	VEPOORO3A	POMER SW P. C. BOARD	Ľ	PI		VJS2949B015	CONNECTOR (FEMALE)	1	
	VEPOOMOSA	POWER SW P. C. BOARD	Ľ			VJS2949B015 VJP1598T	CONNECTOR (FEMALE) CONNECTOR (MALE) 5P	1	

Ref. No.		Part Name & Description			Ref. No.	Part No.	Part Name & Description	Pc	Remarks
		CONNECTOR (MALE)	1					\vdash	
P4 \	VJP1597T	CONNECTOR (MALE) 4P	1					L.	- ·
			L		■ E36	VEP29019A	HDEF P. C. BOARD	Η'	(RTL)
		C. RESISTOR 1/4W 0	1					H	
		C. RESISTOR 1/4W 5. 6K	1			5011050001	F 04D401700 404 0001	H	ļ
		C. RESISTOR 1/4W 18K	1				E. CAPACITOR 16V 330U	2	
R4	ERDS2TJ333	C. RESISTOR 1/4W 33K	1		C9104		E. CAPACITOR 50V 82U	H	
			H		C9105		P. CAPACITOR 160V 0. 01U	H	!
	VST0194	SWITCH	1		C9106		P. CAPACITOR 3300P	Η,	
SW2	VST0195	SWITCH	1				P. CAPACITOR 0. 022U	3	
			\vdash			ECKD3A472MEH		l.	'
		MISCELLANEOUS	-		09113	ECA1CFQ121	E. CAPACITOR 16V 120U	H	
			-		C9114	VCF0066J182	P. CAPACITOR 1800P	H.	
	VMP4839	SW HOLDER ANGLE	1		D0101	MA142K	DIODE	١,	
			-		D9101 D9102	EC11FS2	DIODE	۱.	
		FRONT D. C. BOARD	-	(RTL)	D9103	MA142K	DIODE	H	
■ E30	VEP20538A	FRONT P. C. BOARD	⊬'	(KIL)	09104	SHV-03	DIODE	H,	
			-		D9105	MA142K	DIODE	۱-	
		CONTROL (MALE)	1		D9106	EC11FS2	DIODE	-	
P1	VJP1608T	CONNECTOR (MALE)	├-		D8100	CUTTESZ	DIGUE	-	
			١.		10101	VI 00417	COIL 10UH	H	
	EVQQSB05G	SWITCH	1		L9101 L9102	VLQ0417 ELH5L220	COIL 10UH	H	
SW2	VRV0270	V. RESISTOR	+					H	
			1		L9103	VLQEL06F270J VLQ0620	COIL	H	1
		ADDRESS OF THE PARTY OF THE PAR	١.	(0.71)	L9104	VLUIU02U	COIL	Η,	
■ E31	VEP86149A	OPERATE P. C. BOARD	₽1	(RTL)	DOGGA	V (D0214	COMMECTOR (MALE)	H	
			\vdash		P9006	VJP2311	CONNECTOR (MALE)	H	
			H-		P9007	VJP1595T VJP1232T	CONNECTOR (MALE) 2P CONNECTOR (MALE) 5P	Η.	
D6001-03	BR1102W	DIODE	3		P9008			H	
		THE COURT OF THE C	١.		P9009	VJP2271	CONNECTOR (MALE)	H	
P501	VJP3125B010	CONNECTOR (MALE)	1		Q9101, 02	DOV 1 DE 47	TRANSISTOR	2	
			١.		Q8101, 02	2SK1954Z	TRANSISTOR	Ľ	
SW6001-05	EVQPHB03T	SWITCH	5		20101	ED 120EV 1101	M. RESISTOR CH 1/16W 100	-	
			\vdash		R9101			۲	
			١.	(Maril)	R9102		M. RESISTOR CH 1/16W 1M C. RESISTOR 1/4W 2. 2K	1	
■ E32	VEP80658A	BACK TALLY LED P. C. BOARD	₽'	(RTL)	R9103 R9104		M. RESISTOR OH 1/16W 47K	-	
		<u>-</u>	⊢		R9105		M. RESISTOR OH 1/16W 22K	۲	
		2.005	1		R9107		M. RESISTOR CH 1/10W 22K	H	
D1	TLRA116	DIOOE	H		R9108		M. RESISTOR CH 1/10W 1W	-	
			1		R9109		M. RESISTOR CH 1/10W 0	1	
SW1	VST0131	SWITCH	╀,				M. RESISTOR CH 1/10W 1M	2	
	·	MI COEL LANEOUS	\vdash		R9112		M. RESISTOR CH 1/10W 0	1	
		MISCELLANEOUS	-		R9113, 14		M. RESISTOR CH 1/10W 1.5M	2	
	14000100	LED SPACER	1		R9115		M. RESISTOR CH 1/10W 220K	1	
	VIIX2126	LED SPROEK	+		R9118		M. RESISTOR CH 1/16W 100	1	
			┢		R9119		M. RESISTOR CH 1/16W 1M	1	
60 500	VC0004144	FRONT MIC P. C. BOARD	1	(RTL)	R9120		M. RESISTOR CH 1/10W 0	1	
■ E33	VEP80A14A	PROMET MITO 1: U. BONNES	+-	(172)	110725			H	
	ļ		1		⚠ T9101	ETF15L7A	TRANSFORMER	1	
15-17	VLP0147	COIL	3					ı.	
L5-L7	VLPU14/	OVIL	+ 3						
P1	V 102417	CONNECTOR (FEMALE)	1	1	TG9101-05	EYF6CU	TEST POINT	5	
P1	VJS3417 VJP2261	CONNECTOR (MALE)	Hi		,,,,			Ť	
r.	TUT 2201	AND DESCRIPTION OF THE PROPERTY.	Η,		VR9101	VRV0113B500	V. RESISTOR 50	1	
	ļ		-		VR9102	EVMLRGA00B16		1	
■ E34	VEP8QA13A	BNC P. C. BOARD	1	(RTL)	VR9103		V. RESISTOR 1000K	1	
	VEFOUNTON		ti	*				ŕ	
		-	\vdash					-	
L1-L4	VLP0147	COIL	4		■ E37	VEP29022A	VIDEO P. C. BOARD	1	(RTL)
E17-E4	VLFUI4/	41.0	† '					Ť	
P3	VJP1608T	CONNECTOR (MALE)	1					_	
	707 10001		ΤĖ		C9001	ECA1CF0331	E. CAPACITOR 16V 330U	1	
R1	VRE0071E820	M. RESISTOR CH 1/16W 82	1		G9002		E. CAPACITOR 6. 3V 120U	1	
<u> </u>	VREGO/ 12020	m	† '		C9003-06		C. CAPACITOR CH 25V 0. 1U	4	
	 		1		09007		E. CAPACITOR 16V 56U	1	
■ £35	VEDBROESA	MEMORY CARE P. C. BOARD	1	(RTL)	C9008		T. CAPACITOR CH 16V 1U	1	
- 533	VEP86252A	MANUFACT OFFICE F. V. DUPNU	t i	···	C9009		C. CAPACITOR CH 25V II. 023U	1	<u> </u>
	 		1		09010		T. CAPACITOR CH 16V 10U	1	
		MI SUEL I AMEURIS	+		C9011		T. CAPACITOR CH 16V 1U	<u>'</u>	
		MISCELLANEOUS	\vdash		C9012		T. CAPACITOR OH 16V 22U	-	
		COMMENTOD (MALE)	1		C9012		C. CAPACITOR OH 16V 22U	.1	
	VJP3839	CONNECTOR (MALE)	╄					1	
	VMP4840	HOLDER ANGLE	1 2	<u> </u>	09014			1	
				: • • • • • • • • • • • • • • • • • • •	C9015	ECHU1C472JB	P. CAPACITOR 16V 4700P		
	XYN26+F8	SCREW			00014	ECHVILIANI ION	C CADACITOD OU BOW 9900	4	
	XYN26+F6 VMZ2586	CARD BRAKE BARRIER	1		C9016	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	

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		D . N . A D I . I	h. l	Bl	Dec No	Don't No	Part Name & Descri	ntion	Ь	Remarks
Ref. No.		Part Name & Description		Remarks	Ref. No.	Part No.		heron	1	
		C. CAPACITOR CH 16V 0. 047U	1		Q9021	2SD1819A-R	TRANSISTOR		├-	
C9018 .		C. CAPACITOR CH 16V 1U	1						١.	
C9019	ECUX1E104ZFV	G. CAPACITOR CH 25V 0.1U	1			ERJ12YJR68		0. 68	1	
C902O	ECST1CY105Z	T. CAPACITOR CH 16V 1U	1		R9002	ERJ3GEYJ474	M. RESISTOR CH 1/16W	470K	<u>_1</u>	
C9021	ECST1CY335Z	T. CAPACITOR CH 16V 3. 3U	1	i	R9003	ERJ3GEYG822	M. RESISTOR CH 1/16W	8. 2K		<u> </u>
C9022	ECUX1H472KBV	C. CAPACITOR CH 50V 4700P	1		R9004	ERJ3GEYJ333	M. RESISTOR CH 1/16W	33K	1	
C9023		C. CAPACITOR CH 50V 180P	1		R9005	ERJ3GEYJ153	M. RESISTOR CH 1/16W	15K	1	
C9024		C. CAPACITOR CH 25V 0.1U	1		R9006	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
		E. CAPACITOR 6.3V 120U	2			ERJ3GEYJ100	M. RESISTOR CH 1/16W	10	1	
C9025, 26	ECAOJKF121		1		R9008		M. RESISTOR CH 1/16W	120	1	
C9027	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1			ERJ3GEYJ121			-	
C9028	ECUX1H272KBV	C. CAPACITOR CH 50V 2700P	1		R9009	ERJ3GEYJ183	M. RESISTOR CH 1/16W	18K	!	
C9029	ECA1CKF560	E. CAPACITOR 16V 56U	1		R9010	ERJ3GEYG682		6. 8K	L	
C9030	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1		R9011	VRE0034E123	M. RESISTOR CH 1/10W	12K	1	
C9031	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	[1		R9012	ERJ3GEYJ683	M. RESISTOR CH 1/16W	68K	1	
C9032	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1		R9013	ERJ3GEYG822	M. RESISTOR CH 1/16W	8. 2K	1	
C9033	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1		R9014	ERJ3GEYG152	M. RESISTOR CH 1/16W	1. 5K	1	
	ECST1AC226Z	T. CAPACITOR CH 10V 22U	1		R9015	ERJ3GEYJ912		9. 1K	1	
C9034			1		R9016	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
C9035			-			ERJ3GEYJ562		5. 6K	H	
C9036	ECA1CKF560	E. CAPACITOR 16V 56U	1		R9018				₩:	
C9037	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1.		R9019	ERJ3GEYG682		6. 8K	1	
C9039	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	11			ERJ3GEYJ562		5. 6K	1	<u> </u>
C9041	ECUX1H221JCV	C. CAPACITOR CH 50V 220P			R9021	ERJ3GEYG332		3. 3K	Ľ	
C9042	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		R9022	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	1	
C9044			1		R9023	ERJ3GEYJ4R7	M. RESISTOR CH 1/16W	4. 7	1	
C9045	ECUX1HOR5CCV	C. CAPACITOR CH 50V 0.5P	1		R9024	ERJ3GEYJ681	M. RESISTOR CH 1/16W	680	1	
C9048	ECA1HFQ820	E. CAPACITOR 50V 82U	1		R9025	ERJ3GEYJ473	M. RESISTOR CH 1/16W	47K	1	
			+ ;		R9026	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	H	
C9047	ECUX1E104ZFV		+ !					33K	╁	
C9048	ECA1CKF580	E. CAPACITOR 16V 56U	1		R9027	ERJ3GEYJ333	M. RESISTOR CH 1/16W		-	
C9049	ECUM10105ZFN	C. CAPACITOR CH 16V 1U	1		R9028	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	1	
C9051	ECUX1H150JCV	G. GAPACITOR CH 50V 15P	1		R9029	ERJ3GEYJ393	M. RESISTOR CH 1/16W	39K	1	
C9055	ECA1EKF390	E CAPACITOR 25V 39U	1		R9030	VRE0034E472	M. RESISTOR CH 1/10W	4. 7K	1	
C9056	EGA1CKF560	E. CAPACITOR 16V 56U	1		R9031	ERJ3GEYJ221	M. RESISTOR CH 1/16W	220	1	
C9057	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	1		R9032	ENJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	
C9058	ECUX1E104ZFV		1		R9033	ERJ3GEYJ150	M. RESISTOR CH 1/16W	15	1	
08000	EGONTE TO TELL	0.0000000000000000000000000000000000000	Η.		R9034	ERJ3GEYJ224		220K	1	
DO001	MA140V	DIODE	1		R9035	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
D9001	MA142K		 '		R9036	ERJ3GEYJ181	M. RESISTOR CH 1/16W	180	1	
D9002	RD10UMB1	DIODE	+				 	47K	2	
D9003	MA143	DIODE	1 .	· · · · · · · · · · · · · · · · · · ·	· · · · ·	ERJ3GEYJ473	M. RESISTOR CH 1/16W		-	
D9005, 06	MA143	DIODE	2		R9039	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	L	
D9007, 08	MA3047	DIODE	2		R9040	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	Ľ	
					R9041	ERJ3GEYJ333	M. RESISTOR CH 1/16W	33K	1	
DL9001	VLD0259	DELAY LINE	1		R9042	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	
					R9043	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	_1	
109001	AN77LOSM	IC	1		R9044	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	1	
109002	HA11423MP	IC	1		R9045	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1	
109003	TC7SO4F	IC	1		R9046	ERJ3GEYG332	M. RESISTOR CH 1/16W	3. 3K	1	
109004	T07832F	IC	1		R9047	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	1	
		IC	i i		R9048	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	H	
109005	MC74HC164F		1		R9049	VRE0034E223	M. RESISTOR CH 1/10W	22K	H	
109006	M66311FP	IC	1						⊢;	
109007	MC74HC08AF	IC	1			ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	
109008	TC7W04F	10	1					220K	1	
109009	AN8008M	10	1		R9052	VRE0034E913	M. RESISTOR CH 1/10W	91K	1	L
						ERJ3GEY0R00	M. RESISTOR CH 1/16W	0	1	
P9001	VJP2741A016	CONNECTOR (MALE) 16P	1		R9055, 56	VRE0034E102	M. RESISTOR CH 1/10W	1K	2	
P9002	VJP2312	CONNECTOR (MALE)	1		R9058	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1	
P9003	VJP2311	CONNECTOR (MALE)	1		R9059	VRE0034E102	M. RESISTOR CH 1/10W	100	1	
P9004	VJP2279	CONNECTOR (MALE)	1		R9060	VRE0034E222	M. RESISTOR CH 1/10W	2. 2K	1	
P9005	VJP1595T	CONNECTOR (MALE) 2P	1		R9061	ERJ3GEYJ391	M. RESISTOR CH 1/16W	390	1	
1 8000		The state of the s	Ť		R9063			6. 8K	1	
00001 00	00010104-D	TRANSISTOR	3					2. 2K	2	
Q9001-03	2SD1819A-R	TRANSISTOR	+						1	
Q9004	2803624	TRANSISTOR	1		R9066		M. RESISTOR CH 1/16W	100	-	
Q9005	2SA1411	TRANSISTOR	1			VRE0034E562		5. 6K	2	
Q9006-08	2SD1819A-R	TRANSISTOR	3		R9069	VRE0034E473	M. RESISTOR CH 1/10W	47K	1	ļ
99009	2803624	TRANSISTOR	1				M. RESISTOR CH 1/16W	0	1	
Q9010	2SA1411	TRANSISTOR	1		R9071	VRE0034E473	M. RESISTOR CH 1/10W	47K	1	
Q9011	2SD1819A-R	TRANSISTOR	1	•	R9072, 73	ERJ3GEYJ680	M. RESISTOR CH 1/16W	68	2	
Q9012	2SB1218A-R	TRANSISTOR	1		R9076	ERJ3GEYJ223	M. RESISTOR CH 1/16W	22K	1	
99013	2SK508-B	TRANSISTOR	1				M. RESISTOR CH 1/16W	1	1	
	2SB1218A-R	TRANSISTOR	1				M. RESISTOR CH 1/16W	47	H	
Q9014			1					2. 7K	1/2	
Q9015	2SD1821-R	TRANSISTOR	-						۲.	
	2504181	TRANSISTOR	1				M. RESISTOR CH 1/16W	330	⊦-	
Q9016	2SD1821-R	TRANSISTOR	1				M. RESISTOR CH 1/16W	680	2	
Q9016 Q9017		TRANSISTOR	1			ERJ3GEYJ681	M. RESISTOR CH 1/16W	680	_1	
	2SB1220-R	11011010101	-			ED 100EV 1004	In			
Q9017	2SB1220-R UN511L	TRANSISTOR-RESISTOR	1		R9087	ERJ3GEYJ681	M. RESISTOR CH 1/16W	680	_!	
Q9017 Q9018			1			ERJ3GEYJ1081	M. RESISTOR CH 1/16W	10K	1	
Q9017 Q9018 Q9019	UN511L	TRANSISTOR-RESISTOR	<u> </u>						1	

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		Part Name & Description		Remarks	Ref. No.	Part No.	rart Name & Description	nirc:	s Remarks
		M. RESISTOR CH 1/16W 330	1					╁	
R9092	ERJ3GEYJ512	M. RESISTOR CH 1/16W 5.1K	1		l 			╀	
R9093	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		l			╁	<u> </u>
		M. RESISTOR CH 1/16W 100K	1					╀	-
R9096	EROS2CKF8201	M. RESISTOR 1/4W 8.2K	_1		<u> </u>			+-	
			_		l — —		ļ	╀	-
TG9001	EYF6CU	TEST POINT	. 1					+	
					i			╁	
TP9001-03	EYF6CU	TEST POINT	3					╁	
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VR9001, 02	EVM7JGA00B53	V. RESISTOR 5K	2		{			╁	
	EVM7JGA00B22		1		l	<u> </u>		╀╌	-
VR9004	EVM7JGA00B52	V. RESISTOR 500	1			-		╫	
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■ E38	VEP29020A	VDEF P. C. BOARD		(RIL)		 		+	
			_		l 			+	
P9010	VJP2312	CONNECTOR (MALE)	1		l	<u> </u>		╁	
Paulu	40F2312	CONTRACTOR (MILES)	Ť		l 			†	1
SW9301	VST0114	SWITCH	1					\top	
SW9302	VST0113	SWITCH	1					\top	İ
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VR9301	VRV02788504	V. RESISTOR 500K	1						
VR9302		V. RESISTOR 1K	1						
VR9303		V. RESISTOR 100K	1						
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	VMP4945	HOLDER PLATE	1					†	
	XYN2+F6	SCREW	1					†	
	VJF1034	HANESS CLAMPER	1		11			T	
	1011001		_					Τ	
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₩ E40	VEP29023A	CRT MASK P. C. BOARD	1	(RTL)				\Box	
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D9404	AA1101W330	DIODE	1					╄	
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Panasonic

Technical Bulletin DVCPRO: AJ-D700E, AJ-D800E

AJ-D700E/EN	AJ-D800E/EN	Order No.	Subject	Effective from
Service Manual		VSD9703MG01A	VSD9703MG01A AJ-D700P/E/EN Ver.1.0 Vol.1	ı
Service Manual		VSD9606M501B	VSD9606M501B AJ-D700E/EN Vol.2	
	Service Manual	VSD9708M606A	AJ-D800E/EN Vol.1	
	Service Manual	VSD9708M606B	AJ-D800E/EN Vol.2	
1		VSD9607SB601	Introduction of AJ-MC700P	
2		VSD9607SB602	Introduction of AJ-MH700P	
3		VSD9607SB603	Correction in Parts Number List	
4		VSD9609SB604	Reduction of Camera Beat Noise	F6TKA0001
5		\$098S6096GSA	Reduction of Jitter Noise	F6TKA0001
9		VSD9609SB606	Improvement of Parts and Wire Touching	F6TKA0001
7		VSD9609SB607	Correction in Parts Number List	F6TKA0001
8		809BS6096GSA	Correction in Parts Number List	F6TKA0001
6		VSD9609SB609	Correction in Parts Number List	F6TKA0001
10		VSD9609SB610	Reduction of Beat Noise at Hi-Gain setting	F6TKA0001
11		VSD9609SB611	Improvement of Modulation Adjustment	F6TKA0001
12		VSD9609SB612 Change of IC	Change of IC	G6TKA0001
13		VSD9610SB613	VSD9610SB613 Improvement of Picture Quality during Search Mode	G6TKA0001
14		VSD9610SB614	Software Version Up Grade	F6TKA0001
15		VSD9610SB615	Reduction of Vertical Noise at Higain Setting	G6TKA0001
16		VSD9610SB616	Software Version Up Grades	G6TKA0001
17		VSD9611SB617	Improvement of Test Audio Level	I6TKA0001
18		VSD9611SB618	Reduction of High Power Consumption	I6TKA0001
19		VSD9611SB619	Reduction of White Vertical Noise	K6TKA0001
20		VSD9611SB620	Improvement of V Synchronisation	K6TKA0001
21		VSD9611SB621	Change of ROM Type	K6TKA0001
22		VSD9611SB622	Improvement of Burst Level VR Variable Range	J6TKA0001
23		VSD9612SB623	Improvement of LSI IC	L6TKA0001
24		VSD9612SB624	Improvement of Audio Distortion	L6TKA0001
25		VSD9701SB625	VSD9701SB625 Improvement of Time Code Back Up	A7TKA0001
26		VSD9704SB626	VSD9704SB626 Service Manual Correction	



Technical Bulletin DVCPRO: AJ-D700E, AJ-D800E

AJ-D700E/EN	AJ-D800E/EN	Order No.	Subject	Effective from
28		VSD9704SB628	Improvement of Cassette Holder Spring	F6TKA0001
29		VSD9704SB629	VSD9704SB629 Improvement of Ratchet Function	F6TKA0001
30		VSD9704SB630	VSD9704SB630 Improvement of Tension Sensor Unit	F6TKA0001
31		VSD9704SB631	Countermeasure for Tape Slack	F6TKA0001
32		VSD9704SB632	VSD9704SB632 Standardization of Screw and Washer	G6TKA0001
33		VSD9704SB633	VSD9704SB633 Change of Connector Cover Supply Method	H6TKA0001
34		VSD9704SB634	Improvement of T1 Boat Unit Lock	H6TKA0001
35		VSD9704SB635	Change of Screws for Cleaner Solenoid Unit	H6TKA0001
36		VSD9704SB636	Improvement of Mount Ring of Viewfinder	I6TKA0001
37		VSD9704SB637	Improvement of Ratchet Arm Unit	I6TKA0001
38		VSD9704SB638	Improvement of Escutcheon Unit of Viewfinder	K6TKA0001
40		VSD9704SB640	Improvement of End Cap Crack on View Finder	B7TKA0001
41		VSD9705SB641	Reduction of Block Error Noise	C7TKA0001
42		VSD9705SB642	Reduction of Vertical Line Noise	C7TKA0001
43		VSD9705SB643	Improvement of PCM Audio Noise (Audio VCO)	D7TKA0001
48		VSD9706SA677	Extension of Maintenance Time	
49		VSD9710SB648	Improvement of QUAD Adjustment	D7TKA0001
51	2	VSD9710SB650	Improvement of Cleaning Solenoid Motion Sound	F7TKA0001
52		VSD9710SB651	Software Version Up Grade	F7TKA0001
59	6	VSD9710SB656	VSD9710SB656 Change of Screws	G7TKA0001
99		VSD9711SB662	VSD9711SB662 Software Version Up Grades	17TKA0001

Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject: Extension of Maintenance Time

Model No.	Bulletin No.	Order No.	Effective from
AJ-D750E/EN	. 77	VSD9606M502A	
AJ-D700E/EN	48	VSD9606M501A	
AJ-D650E	49	VSD9612MJ01A	
AJ-D640E	49	VSD9612MJ01A	
AJ-D800E/EN	1	VSD9708M606A	

The Maintenance Time has been extended after investigation of each parts durability.

The listed maintenance time is based on head rotation time, unless it is otherwise state as based on Operation Time.

(Unit hours)

	Current AJ-D700 AJ-D800	Current AJ-D750 AJ-D650 AJ-D640	New Common	Remark
Cylinder Unit	1,000	1,500	2,000	
Pinch Arm Unit	1,000	1,500	4,000	
Cleaning Arm Unit	1,000	1,500	2,000	
S Reel (Rotor Unit)	1,000	6,000	6,000	
T Reel (Rotor Unit)	1,000	6,000	6,000	
Thrust Screw Unit	Not Listed	Not Listed	6,000	Newly added
S1 Loading Arm Unit	3,000	3,000	12,000	Replaced with Mech. Chassis Unit
T1 Boat Unit	3,000	3,000	12,000	Replaced with Mech. Chassis Unit
S5 Post Unit	3,000	3,000	12,000	Replaced with Mech. Chassis Unit
Tension Arm Unit	3,000	3,000	12,000	Replaced with Mech. Chassis Unit
S Brake Arm Unit	Not Listed	Not Used	6,000	·
T Brake Arm Unit	Not Listed	Not Used	6,000	
Front Loading Unit	Not Used	6,000	12,000	Replaced with Mech. Chassis Unit
Mech. Chassis Unit	3,000	6,000	12,000	
1.5" CRT (EVF)	Not Listed	Not Used	5,000	Operation Time.
Fan Motor	Not Used	3,000	10,000	Operation Time (Current head rotation time)
LCD Display	Not Used	Not Listed	10,000	Operation TimeAJ-LT75 only

1. AJ-D700E/EN / AJ-D800E/EN Maintenance Maintenance Schedule

					Hours of U	se (hours)	1	
	Name	Part Number	2,000	4,000	6,000	8,000	10,000	12,000
	Tape Path Cleaning	·		△ Clean t	he Tape P	ath at each	500 hours	
1	Cylinder Unit	VEG1337	•	•	•	•	•	©
2	Pinch Arm Unit	VXL2684		●*1		●*1		0
3	Cleaning Arm Unit	VXL2748	•	•	•	•	•	0
4	S Reel(Rotor Unit)	VEM0629			•			0
5	T Reel(Rotor Unit)	VEM0630			. •			0
6	S Brake Arm Unit	VXL2705			•			0
7	T Brake Arm Unit	VXL2706			•			0
8	Thrust Screw Unit	VXQ0556			•			0
9	Mech. Chassis Unit	VXY1229						•
10	1.5" CRT (EVF)	M04KYS07WB	Repla	ce the CR	T at each 5	,000 hours	<u>Operation</u>	<u>Time</u> .

Note: Hours of Use are based on the head rotation hours.

Hours of Use are recommendation. It may depend on temperature, humidity or dust.

Hours of Use are listed as the reference of maintenance. They do not mean guaranteed hours.

©:These parts are included in Mech. Chassis Unit. Replacing Mech. Chassis Unit is recommended.

*1. The lubrication is necessary when replacing the Pinch Arm Unit.

△:This mark means cleaning is necessary. Detail cleaning procedures are written in Service Manual.

V17728 + V17725 V19646 + V201611 Order No. VSD9710SB650

Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject: Improvement of Cleaning Solenoid Motion Sound

Please use this supplement to	gether with the Service Manu	ual as follows :	
Model No.	Bulletin No.	Order No.	Effective from
AJ-D700E/EN	51	VSD9606M501A/B	F7TKA0001
AJ-D800E/EN	2	VSD9708M606A/B	F7TKA0001

Board: Servo (VEP02437B)

To decrease the motion sound of the Cleaning Solenoid, power supply voltage of the Cleaning Solenoid is changed from UNREG to 10.5V. The following modification is performed.

1). Resistor R749 (1/8W,0 Ω) is deleted from the foil side.

2). Resistor R750 (1/8W,0 Ω) is added to no mounted pattern of the foil side.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
R749	ERJ8GEY0R00		M. RESISTOR CH 1/8W 0	1→0	
R750		ERJ8GEY0R00	M. RESISTOR CH 1/8W 0	0→1	

A.J-D700

Ref. No.	Schemat	ic Diagram	P.C.	Board
	Page	Area No.	Page	Area No.
R749	2-53	D-7 (7/9)	3-11	B-4 (F)
R750	2-53	D-7 (7/9)	3-11	B-4 (F)

AJ-D800

Ref. No.	Schemati	c Diagram	P.C.Board	
	Page	Area No.	Page	Area No.
R749	SCM-59	D-7 (7/9)	CBA-11	B-4 (F)
R750	SCM-59	D-7 (7/9)	CBA-11	B-4 (F)

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2. AJ-D750E/EN / AJ-D650E / AJ-D640E Maintenance Maintenance Parts Chart

			Hours of Use (unit hours)					
	Name	Part Number	2,000	4,000	6,000	8,000	10,000	12,000
	Tape Path Cleaning			△ Clean t	he Tape P	ath at each	500 hours	
1	Cylinder Unit	VEG1337	•	•	•	•	•	©
2	Pinch Arm Unit	VXL2684		●*1		●*1		0
3	Cleaning Arm Unit	VXL2748	•	•	•	•	•	0
4	S Reel Motor A Unit	VEM0635			•			. 🔘
5	T Reel Motor A Unit	VEM0636			•			0
6	Thrust Screw Unit	VXQ0556			•			0
7	Cassette Compartment Unit	VXA5979						•
8	Mech. Chassis Unit	VXY1254Z1						•
9	Fan Motor	VRF0190	Replace	e Fan Moto	r at each 1	0,000 hour	s <u>Operatio</u>	n Time.

Note: Hours of Use are based on the head rotation hours.

Hours of Use are recommendation. It may depend on temperature, humidity or dust.

Hours of Use are listed as the reference of maintenance. They do not mean guaranteed hours.

- ©:These parts are included in Mech. Chassis Unit. Replacing Mech. Chassis Unit is recommended.
- ★1. The lubrication is necessary when replacing the Pinch Arm Unit.
- △:This mark means cleaning is necessary. Detail cleaning procedures are written in Service Manual.

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Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject: Countermeasure for Yellow Picture at Left Side of Monitor

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

Cause

VSD9708M606A/B

F7TKA0001

Board: Pre Process (VEP23278B)

Symptom: The left side of the picture on the monitor may be yellow.

: The rising edge of the signal on the Pre Process circuit may be rounded at 30dB gain up by BLK step

of CCD output.

Remedy : To prevent it, resistors R3016, R3216 and R3416 are changed from $1.5 \text{K}\Omega$ to $1 \text{K}\Omega$ on the foil side.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
R3016	ERJ3GEYJ152	ERJ3RBD102	M. RESISTOR CH 1/16W 1K	1	
R3216	ERJ3GEYJ152	ERJ3RBD102	M. RESISTOR CH 1/16W 1K	1 1	
R3416	ERJ3GEYJ152	ERJ3RBD102	M. RESISTOR CH 1/16W 1K	1 1	

Ref. No.	Schemati	c Diagram	P.C.	Board
	Page	Area No.	Page	Area No.
R3016	SCM-9	F-5 (1/5)	CBA-3	C-2 (F)
R3216	SCM-10	F-5 (2/5)	CBA-3	C2 (F)
R3416	SCM-11	F-5 (3/5)	CBA-3	C3 (F)

BEFFLU 1201611

Order No. VSD9710SB654

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Supplement to the Service Manual

Broadcast Product

Subject: Improvement of Black Level in View Finder

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D700E/EN V17728+V14729 56

VSD9606M501A/B

H7TKA0001

AJ-D800E/EN V 19646+ V20161 6

VSD9708M606A/B

H7TKA0001

Board: EVF Video (VEP29022A) H DEF (VEP29019A)

Symptom: Black level may be unstable in the View Finder.

: Black level may fluctuate due to the signal APL change. As a result of it, it is not easy to adjust the

Iris level.

Remedy to be the black level stable, the following modification is performed.

After the modification as shown below, the following adjustments are required.

10-3. Sub Bright Adjustment

10-6. Size Adjustment

10-10. Focus Adjustment

< EVF Video >

- 1); Capacitor C9039 is changed from 50V/33pF to 50V/82pF on component the side as shown in figure 4.
- 2). Capacitor C9045 is changed from 50V/0.5pF to 50V/1pF on the foil side as shown in figure 5.
- 3). Capacitor C9046 is changed from $50V/82\mu F$ to $63V/68\mu F$ on the component side as shown in figure 4.
- 4). Resistor R9050 is changed from 1/16W, 0Ω to 1/10W, $1.5K\Omega$ on the foil side as shown in figure 5.
- 5). Resistor R9051 is changed from 1/16W,220K Ω to 1/10W,120K Ω on the foil side as shown in figure 5.
- 6). Resistor R9052 is changed from 1/10W, $91K\Omega$ to 1/10W, $100K\Omega$ on the foil side as shown in figure 5.
- 7). Resistor R9056 is changed from 1/10W, $1K\Omega$ to 1/10W, 680Ω on the component side as shown in figure 4.
- 8). Capacitor C9048 (16V/56μF) is deleted from the component side as shown in figures 1 and 4.
- 9). Diode D9006 (MA143) is deleted from the foil side as shown in figures 1 and 5.
- 10). Resistor R9070 (1/16W,0 Ω) is deleted from the foil side as shown in figures 1 and 5.
- 11). Capacitor C9059 (25V/0.1 μ F) is added to the pattern on the foil side as shown in figures 1 and 5.
- 12). Capacitor C9060 (0.1μF) is added between minus (-) side of C9048 and TP9003 and fixed itwith glue on the component side as shown in figures 1 and 2.
- 13), Transistor Q9022 (2SC4181) is added to the pattern on the foil side as shown in figures 1 and 5.
- 14), Resistor R9074 (1/10W,560 Ω) is added to the pattern on the foil side as shown in figures 1 and 5.
- 15). Resistor R9097 (1/10W, $2.2K\Omega$) is added to the pattern on the foil side as shown in figures 1 and 5.
- 16), Resistor R9098 (1/10W,9.1K Ω) is added to the pattern of R9096 on the foil side as shown in figures 1 and 3.
- 17). Resistor R9099 (1/4W,100KΩ) is added between minus (-) side of C9048 and base of Q9016 on the foil side as shown in figures 1 and 3.
- 18), Before installation of R9099, the insulation sheet is attached under R9099 and insulation tube is covered to C9048 side of R9099 on the foil side as shown in figure 3.

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Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
C9039	ECUX1H330JCV	ECUX1H820JCV	C. CAPACITOR CH 50V 82P	1 1	
C9045	ECUX1H0R5CCV	ECUX1H010CCV	C. CAPACITOR CH 50V 1P	1	
C9046	ECA1HFQ820	ECA1JFQ680	E. CAPACITOR 63V 68U	1	
C9048	ECA1CKF560		E. CAPACITOR 16V 56U	1→0	
C9059		ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	0→1	
C9060		ECQV1104JM	P. CAPACITOR 0.1U	0→1	
D9006	MA143		DIODE	1→0	
Q9022		2SC4181	TRANSISTOR	0→1	
R9050	ERJ3GEY0R00	ERJ6RBD152	M. RESISTOR CH 1/10W 1.5K	1 1	
R9051	ERJ3GEYG224	ERJ6RED124	M. RESISTOR CH 1/10W 120K	1	
R9052	VRE0034E913	ERJ6RBD104	M. RESISTOR CH 1/10W 100K	1	
R9056	VRE0034E102	ERJ6RBD681	M. RESISTOR CH 1/10W 680	1 1	
R9070	ERJ3GEY0R00		M. RESISTOR CH 1/16W 0	1→0	
R9074		ERJ6RBD561	M. RESISTOR CH 1/10W 560	0→1	
R9097		ERJ6RBD222	M. RESISTOR CH 1/10W 2.2K	0→1	
R9098		ERJ6RBD912	M. RESISTOR CH 1/10W 9.1K	0>1	
R9099		ER0S2CKG1003	M. RESISTOR 1/4W 100K	0→1	

Ref. No.	Schemat	ic Diagram	P.C.	Board
	Page	Area No.	Page	Area No.
C9039	2-78	G-6	www	
C9045	2-78	H-9	*******	
C9046	2-78	F-11	- 	
C9048	2-78	I-10	-	
D9006	2-78	1-9	SSH4M4	_
R9050	2-78	H-6		
R9051	2-78	I-6	_	
R9052	2-78	J-6		
R9056	2-78	G-7		
R9070	2-78	J-10	management .	

< H DFF >

- 1). Capacitor C9104 is changed from $50V/82\mu F$ to $63V/68\mu F$ on the component side as shown in figure 6.
- 2). Resistor R9108 is changed from 1/10W,1M Ω to 1/10W,0 Ω on the foil side as shown in figure 7
- 3). Resistor R9110 and R9111 are changed from 1/10W, $1M\Omega$ to 1/10W, $470K\Omega$ on the foil side as shown in figure 7
- 4). Resistor R9113 is changed from 1/10W, $1.5M\Omega$ to 1/10W, $470K\Omega$ on the foil side as shown in figure 7.
- 5). Resistor R9114 is changed from 1/10W, $1.5M\Omega$ to 1/10W, $680K\Omega$ on the foil side as shown in figure 7.
- 6). Resistor R9115 is changed from 1/10W,220K Ω to 1/10W,820K Ω on the foil side as shown in figure 7.

Part Number								
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks			
C9104	ECA1HFQ820	ECA1JFQ680	E. CAPACITOR 63V 68U	1				
R9108	ERJ6GEYJ105	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1				
R9110, 11	ERJ6GEYJ105	ERJ6GEYJ474	M. RESISTOR CH 1/10W 470K	2				
R9113	FRJ6GEYJ155	ERJ6GEYJ474	M. RESISTOR CH 1/10W 470K	111				
R9114	FRJ6GEYJ155	ERJ6GEYJ684	M. RESISTOR CH 1/10W 680K	11				
R9115	ERJ6GEYJ224	ERJ6GEYJ823	M. RESISTOR CH 1/10W 82K	1				

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
C9104	2-77	E-5		***
R9108	2-77	C-8		
R9110	2-77	D-8		
R9111	2-77	D-8		
R9113	2-77	D-8		
R9114	2-77	E-8		
R9115	2-77	F-8		

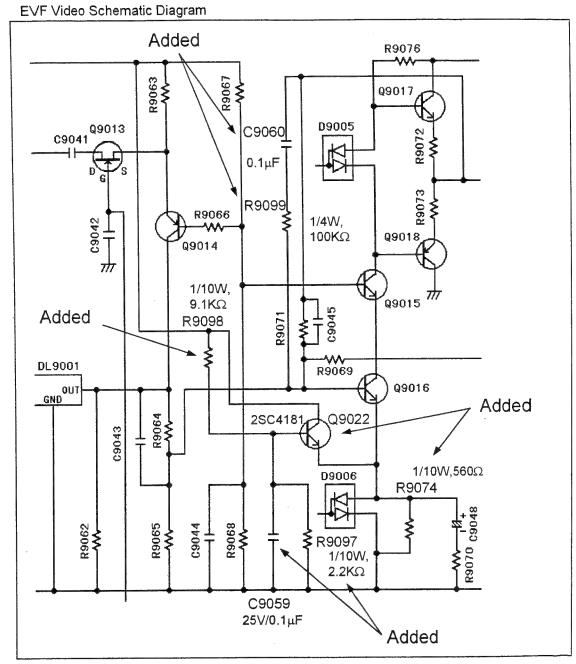


Fig. 1 Page 2-78

EVF Video P.C. Board (VEP29022A)

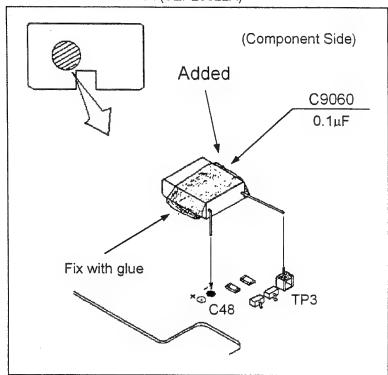


Fig. 2

EVF Video P.C. Board (VEP29022A)

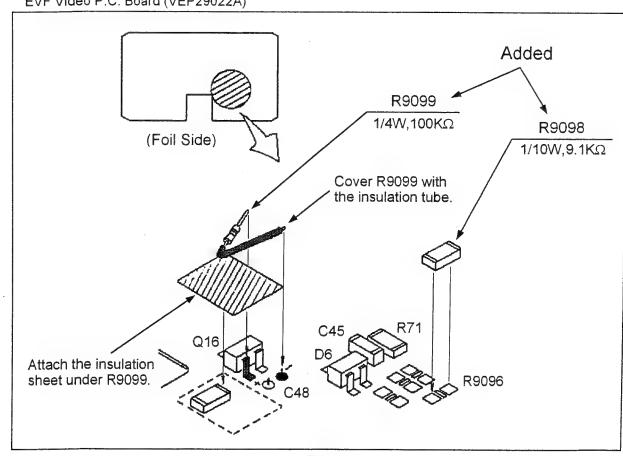
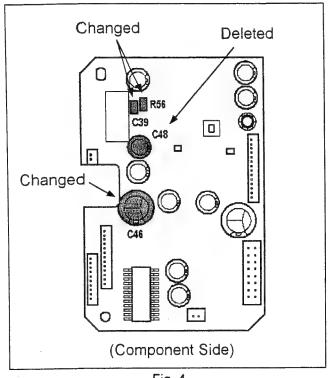


Fig. 3

EVF Video P.C. Board (VEP29022A)





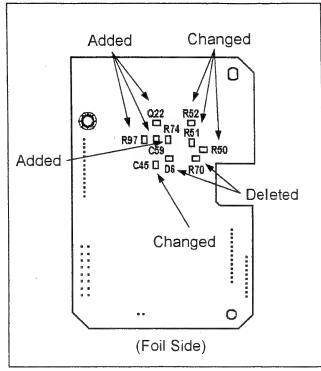


Fig. 5

H DEF P.C. Board (VEP29019A)

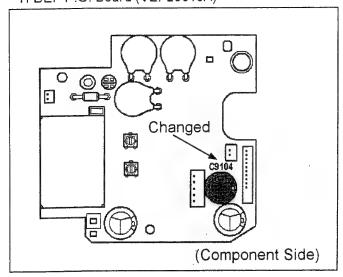


Fig. 6

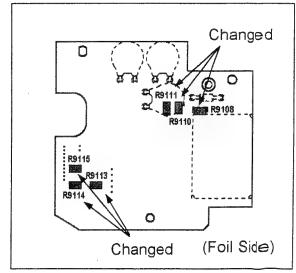


Fig. 7

Technical Bulleti

Supplement to the Service Manual

Broadcast Product

Subject: Improvement of Analog Switch Terminal

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D700E/ENV17728 + V1772957

VSD9606M501A/B

G7TKA0001

AJ-D800E/EN V19646+ V20161 7

VSD9708M606A/B

G7TKA0001

Board: Camera System Control (VEP26074C) - AJ-D700 Camera System Control (VEP26074D) - AJ-D800

Symptom: D/A Converter may malfunction.

Cause

: When the D/A Converter is not controlled, it may malfunction by the terminal connection of analog switch for D/A Converter control.

Remedy: To prevent it, the following modification is performed.

- 1). Resistor R3553 is deleted from the foil side.
- 2). Pins #1 and #5 of IC3520 are shorted on the foil side as shown in figures 1 and 2.
- 3). New resistors are covered with the tubes as shown in figures 2 and 3.
- 4). Resistor R3660 (1/4W,100KΩ) is installed between pins #8 and #12 of IC3520 on the foil side as shown in figures 1 and 2.
- 5). Resistor R3661 (1/4W,100KΩ) is installed between pins #12 and #16 of IC3521 on the foil side as shown in figures 1 and 3.
- 6). Resistor R3662 (1/4W,100KΩ) is installed between pins #12 and #16 of IC3522 on the foil side as shown in figures 1 and 3.
- 7). Resistor R3663 (1/4W,100KΩ) is installed between pins #12 and #16 of IC3523 on the foil side as shown in figures 1 and 3.
- * Note * Install their bodies closely to ICs.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
R3553	ERJ3GEYJ473		M. RESISTOR CH 1/16W 47K	1→0	
R3660 - 63		ERDS2TJ104	C. RESISTOR 1/4W 100K	[0→4]	

AJ-D700

Ref. No.	Schematic Diagram		P.C.Board		
	Page	Area No.	Page	Area No.	
R3553	2-16	G-8 (2/5)	3-5	B- 1 (F)	

AJ-D800

Ref. No.	Schematic Diagram		P.C.Board		
	Page	Area No.	Page	Ar⊜a No.	
R3553	SCM-17	B-7 (2/5)	CBA-5	B. 1 (F)	

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Camera System Control (2/5) Schematic Diagram

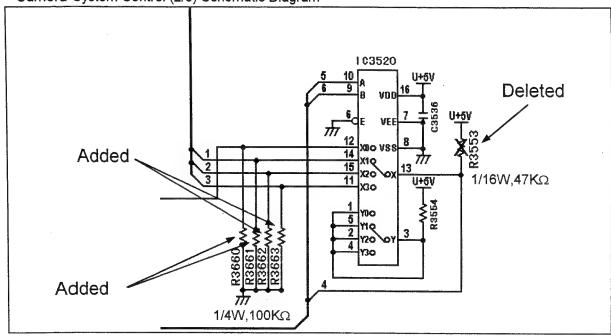


Fig. 1 Page 2-16 (G-7) / Page SCM-17 (A-6)

Camera System Control P.C. Board (VEP26074C/D)

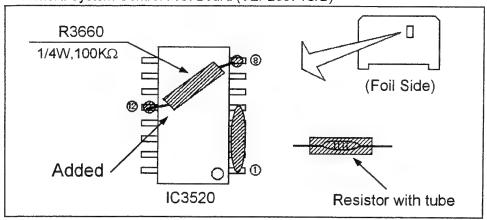


Fig. 2 Page 3-5 (B-1) / CBA-5 (B-1)

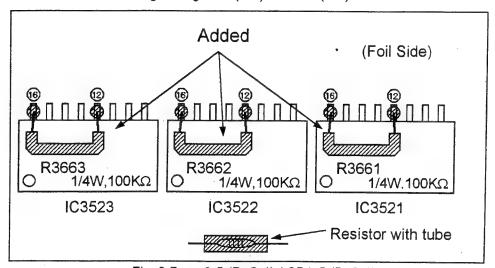


Fig. 3 Page 3-5 (B~C-1) / CBA-5 (B~C-1)

U20161 .

Order No. VSD9710SG602

Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject : Improvement of γ Curve

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

0

VSD9708M606A/B

G7TKA0001

Board: Sync Sub (VEP20747A)

Symptom : γ curve may be shifted.

Cause : A/D clock buffer spe

: A/D clock buffer speed is late so that the ABB is malfunctioned. It results in γ curve shift.

Remedy: To prevent it, IC2 is changed from TC7S04FU to TC7SH04FU on the component side.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
IC2	TC7S04FU	TC7SH04FU	IC	1			

Ref. No.	Schematic Diagram		P.C. Board		
	Page	Area No.	Page	Area No.	
IC2	SCM-37	D-4	CBA-8		

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V17728 + V17729 / V19646 + V20161 / Order No. VSD9710SB656

Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject: Change of Screws

Please use this supplement together with the Service Manual as follows :						
Bulletin No.	Order No.	Effective from				
59	VSD9606M501A/B	G7TKA0001				
9	VSD9708M606A/B	G7TKA0001				
	Bulletin No. 59	Bulletin No. Order No. 59 VSD9606M501A/B				

Board: Video I/F (VEP03D53A)

VTR System Control (VEP06A22B) - AJ-D700 VTR System Control (VEP06A22C) - AJ-D800

Camera ENC (VEP23276B)

Camera SYNC (VEP23277B) - AJ-D700 Camera SYNC (VEP23446B) - AJ-D800 Camera System Control (VEP26074C) Camera System Control (VEP26074D)

When the Shield Plate is fixed with the screws, the Shield Plate may be deformed. To prevent it, the screws are changed from XSN2+6 to XSB2+6.

Video I/F Board (VEP03D53A)

Do - Mumber					
Part Number	Outsing Dort No	New Part No.	Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	XSB2+6	SCREW	3	
	XSN2+6	7,002.10	0011211		

VTR System Control Board (VEP06A22B/C)

V I'R System Control Source							
Part Number				D	Remarks		
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
Rei. No.	VSN2+6	XSB2+6	SCREW	2			

Camera ENC Board (VEP23276B)

- 1	Part Number					
		Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
	Ref. No.	XSN2+6	XSB2+6	SCREW	2	
		V2145	7,002.0			

Camera SYNC Board (VEP23277B/VEP23446B)

	Camora C							
Part Number		N. B. AM.	Part Name & Descriptions	Pcs	Remarks			
Ref. No.	Original Part No.	New Part No.		1 2				
	XSN2+6	XSB2+6	SCREW	4				

Camera System Control Board (VEP26074C/D)

	Carriera System Commer Poem 1								
	Part Number			A D with the	Dec	Remarks			
	Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Leilli 1/2			
1	Ner. No.	YSN2+6	XSB2+6	SCREW] 2				

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Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject: Addition of Mode SW Cover

Model No.	Bulletin No.	Order No.	Effective from
AJ-D750E/EN	110	VSD9606M502A	I7TRB0001
AJ-D650E	81	VSD9612MJ01A	I7TRA0001
AJ-D640E	81	VSD9612MJ01A	17TRA0001
AJ-LT75E	27	VSD9707M602A	17TNA0001
AJ-D230E -	21	VSD9708M605	17TDA0001
AJ-D700E/EN -	65	VSD9606M501A	17TKA0001
AJ-D800E/EN -	14	VSD9708M606A	17TKA0001
AJ-D200HE	17	VSD9708M604	17TKA0001

Mechanical Chassis Assembly (2)

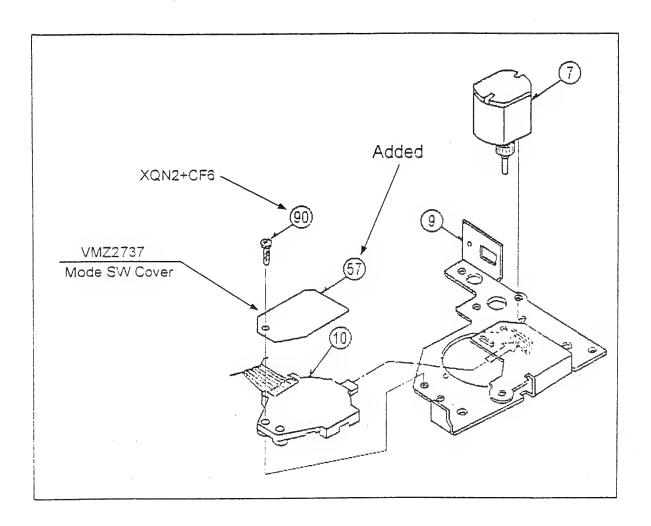
Symptom: Mode SW may be malfunctioned.

Cause : Sharpened powder of the Solenoid Base may fall on the Mode SW. It results in Mode SW

malfunction.

Remedy: To prevent it, the Mode SW Cover (VMZ2737) is added to the Mode SW unit as shown below.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
57		VMZ2737	MODE SW COVER	0→1			
90		XQN2+CF6	SCREW	0→1	Not listedin parts list		



Technical Bulleti

Supplement to the Service Manual

Broadcast Product

Subject: Software Version Up Grades

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

16

VSD9708M606A/B

G7TKA0001

Board: Camera System Control (VEP26074D) VTR System Control (VEP06A22C)

The following software has been up-dated to add the functioning of the VTR.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
IC3502	VSI2480B	VSI2480C	CAM SYSCON PROM Ver. 1.3	1 1			
ic3505	VSI2481B	VSI2481C	CAM SYSCON PROM Ver. 1.3	1			
106006	VSI2482B	VSI2482C	VTR SYSCON PROM Ver. 1.3	1 1			

< TEST MENU >

* CAM SYSCON IC3502 : 1.3 FE1F

* VTR SYSCON IC6006 : 1.3 DE1E

* CAM SYSCON IC3505 : 1.3 4736

< Additional Function >

1. < FUNCTION 2/5 Screen >

1. Synchro Scan Select function is changed. When the S.SCAN mode of Function Menu 2/5 is ON, VF DISPLAY of Option Menu is SPECIAL and S.SCAN SW of Front is ON pressing the MODE CHECK SW, the status of the MODE CHECK is still displayed. It is improved. When the status of the MODE CHECK is displayed although the MODE CHECK SW is OFF, it is not displayed.

- FUNCTION 2/5 -: FRM 1 →SUPER V : OFF

FILTER INH SHOCKLESS AWB : NORMAL S.IRIS SW S. SCAN SEL

: S.IRIS : ON

Changed from OFF

ltem	Variable Range	"VE Display	Remarks
S.SCAN SEL	QN OFF	ENG	Synchro scan ON/OFF switching ON: S.SCAN speed can be varied by the SUPER IRI S/MODE CHECK switch. OFF: Normal mode

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2. < OPTION Menu>

* This Menu is only Engineer Security purpose, so it is not written on the Operating Instructions.

This Menu is opened as following Setting.
Set the Menu SW pushing [SHIFT/ITEM] key and [PAGE SW] key simultaneously.

- OPTION MENU -					
→ ENG SECURITY TONE MODE METER SELECT VF DISPLAY TC OUT TCG SET BATT WARNING	: OFF : NORMAL : CH1 : NORMAL : TCG : RESET : ON				

û Added

	Variable	VF	_
item	Range	Display	Remarks
VF DISPLAY	NORMAL SPECIAL	ENG	NORMAL: Status which selected by the Menu is displayed in the View Finder. SPECIAL: Status which selected by the Menu is displayed in the View Finder only when the MODE CHECK SW is pressed.
TC OUT	ICG TCG/TCR	ENG	TCG: TCG is only output. TCG/TCR: TCR is output during V-V mode. TCG is output during E-E mode. * Note * When the TCR is output as It is, it is output adding two frames because it is two frames delay than picture.
TCG SET	RESET HOLD	ENG	RESET: REGEN is performed when the unit goes to REC mode after power is turned from OFF to ON in spite of TCG setting. HOLD: REGEN is not performed when the unit goes to REC mode after power is turned from OFF to ON with TCG setting
BATT WARNING	ON OFF	ENG	ON: When the ALARM, TALLY LED is ON during TAPE NEAR END mode, they are ON as it is. OFF: When the ALARM, TALLY LED is ON during TAPE NEAR END mode, they are OFF by MODE CHECK SW is ON.

VF DISPLAY NORMAL/SPECIAL select function is introduced.
 Status display in the View Finder is only displayed when the MODE CHECK SW is pressed.

2. TCG/TCR Output function from TC OUT of the Rear Side Panel is introduced.

TCG RESET/HOLDE select function is introduced.
 When the unit goes to REC mode after the power is turned from OFF to ON with TCG setting, the REGEN is performed in spite of TCG setting. To prevent it, this function is added.

4. Battery Warning ON/OFF select function is introduced.
VVhen the ALARM and TALLY END are ON during TAPE NEAR END mode, they can be turned OFF by the MODE CHECK SW is ON.

2. < SET UP CARD Screen >

1. The following Camera Menu data READ/WRITE ON/OFF select function is introduced.

- SET UP CARD -

→READ (→CAM) WRITE (→CARD) CARD CONFIG.

ID READ / WRITE : ON FUNCTION 1 - 2 R/W : ON ← L/M/H SET R/W : ON ← LEVEL 1 - 6 R/W : ON ←

Added Added Added

	Variable	VF	_
item	Range	Display	Remarks
FUNC 1~2 R/W	ON	USER	READ/WRITE for FUNCTION1 and
	OFF	ENG	FUNCTION2 is switched ON or OFF
			when data is read from or written on
			the SET UP CARD.
			ON : READWRITE is enabled.
			OFF: READWRITE is disabled.
L/M/H SET R/W	ON	USER	READ/WRITE for LOW SETTING, MID
	OFF	ENG	SETTING and HIGH SETTING is
			switched ON or OFF when data is read
			from or written on the SET UP CARD.
			ON: READWRITE is enabled.
			OFF: READWRITE is disabled.
LEVEL 1~6 R/W	QN	USER	READ/WRITE for LEVEL 1/6, 2/6, 3/6,
	OFF	ENG	4/6, 5/6 and 6/6 is switched ON or OFF
			when data is read from or written on
			the SET UP CARD.
			ON : READ/WRITE is enabled.
			OFF: READWRITE is disabled.

< Improvement of Performance >

1. VF TAPE REMAIN Display Change

When the tape remaining is more than 30 minutes, it can be displayed till 60 minutes in the View Finder as follows.

Current Display F30, 3 New Display F60, 6

F30, 30-25, ,,,,, 5-0 F60, 60-55, ,,,, 5-0

* Note * TAPE REMAIN on the Front LCD is not changed. When the tape remaining is more than 30 minutes, it displays "FULL".

2. VF IRIS Display Change

As the IRIS Display in the View Finder falls on the one character of the Audio Level Meter, it is changed as follows.

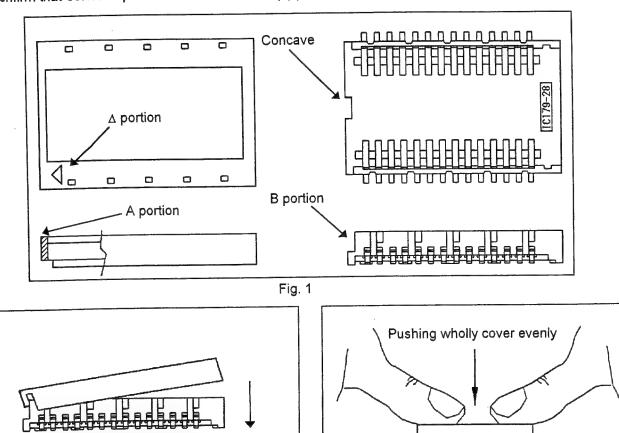
Number of Character 5 numbers of character → 4 numbers of character Character Character Character → "___ C" (Because only CLOSE is 5 numbers of characters)

- 3. Improvement of REC Stop during TC SLAVE/GENLOCK Mode When the two units (AJ-D700) are set to Time Code Slave Lock and GENLOCK and then go to R EC mode, the REC mode is suddenly released. It is improved.
- 4. Improvement of PHANTOM MIC Power ON/OFF
 When the AUDIO IN SW (CH1/CH2) on the Front Panel is set to LINE, the PHANTOM MIC power is still turned ON. To prevent it, when the AUDIO IN SW (CH1/CH2) on the Front Panel is set to LINE, the PHANTOM MIC power is turned OFF.
- 5. ANTON BATT (DIGITAL) Voltage Detect Level Change
 The time until UNDER CUT functions is too long after the BATT NEAR END WARNING of the ANTON BATT
 (DIGITAL) is displayed. It is improved.
- 6. Improvement of Filter Display When the Optical filter is NG position, FLT4 is displayed. It is improved.

* When PROM is replaced, PROM Socket Cover must be replaced to new one at the same time as follows.

Installation Method of PROM Socket Cover

- 1. After replacement of PROM, install the PROM Socket Cover on the PROM Socket fitting A portion of PROM Socket Cover with B portion of PROM as shown in figures 1 and 2.
- 2. Confirm that concave portion of the PROM and (Δ) portion on the PROM Socket Cover is same direction.



3. Press the PROM Socket Cover pushing the wholly cover evenly as shown in figure 3.

Fig. 2

4. After installation, check that the PROM Socket does not get out of the PROM Socket Cover more than 0.2mm as shown in figure 4.

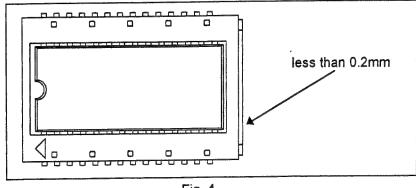


Fig. 4

* When PROM is replaced, MENU setting is returned to factory setting. If the MENU setting is returned to user setting, MENU data is saved to IC CARD or EVR NV-RAM before replacement of PROM.

Replacement Method of PROM

- 1. Connect the EVR tool to AJ-D800 and set the ECU CONNECT on the SERVICE ADJ MENU to EVR, then insert the EVR connector to ECU connector (6P) on the Side Panel. After setting, turn the MENU OFF.
- Execute the CAM_TOOL.EXE to start the EVR
- 3. Follow the displayed instructions until MAIN MENU is shown. (If the bar graph stops before 100% and MAIN MENU is not opened, turn the Power of I/F Box (VFKW1000AA) OFF and ON. Then execute the EVR program again.)
- 4. Select < 1. BACK UP (DOWN LOAD) RAM DATA > and execute it to back up the current
- 5. Turn the power OFF and replace the PROM to new version.
- 6. Turn the Power ON and set the CAM/BAR SW to BAR mode.
- 7. Select < 6. E.V.R. DIRECT FUNCTIONS >.
- 8. Execute <1.CAMERA RESET No.1> (Press [F1] + [A]) to reset previous PROM parameter. Confirm that the color bar picture switched to the normal picture. If it is not, execute <1.CAMERA RESET No.1> (Press [F1] + [A]) again.
- 9. After executing CAMERA RESET, turn the power of AJ-D800 to OFF and then ON.
- 10. Select < 2. RESTORE (UP LOAD) RAM DATA >) and execute it to upload the user data.
- 11. After upload the user data, turn the power of AJ-D800 to OFF and then ON again.

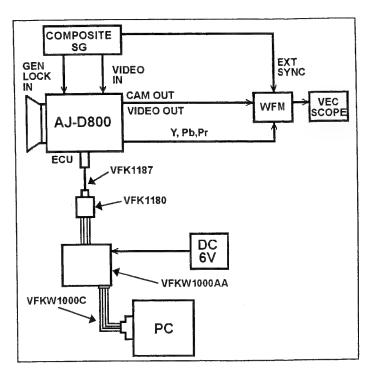


Fig. 5

MAIN MENU

- 1. BACK UP (DOWNLOAD) RAM DATA.
- 2. RESTORE (UPLOAD) RAM DATA.
- 3. PREPARATION OF ADJUSTMENT.
- 4. START ADJUSTMENT.
- ELECTRICAL ADJUSTMENT.
- E.V.R. DIRECT FUNCTIONS.
- 7. BACK UP (DOWNLOAD) RAM DATA.<0PTION>
- 8. RESTORE (UPLOAD) RAM DATA. <OPTION>

1. COMMAND INPUT FUNCTION

[E.V.R. FUNCTION] -

COMMAND [00] DATA 00 **ADDRESS** 00

[MACRO FUNCTION]

- 1. CAMERA RESET No.1
- **CAMERA RESET No.2**
- VF OUT MONITOR OUT LEVEL
- ≪ Page Up : INC Page Down

[F2] [0] DEC ≫

[F1] [A]

[F1] [B] [F1] [C]

echnical Bulleti

Supplement to the Service Manual

Broadcast Product

Subject : Reduction of Audio Input Line Noise after Power ON

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

17

VSD9708M606A/B

H7TKA0001

Board: Audio LCD (VEP04522B) - AJ-D800EN Audio LCD (VEP04690A) - AJ-D800E

Symptom: Audio noise may appear at the Audio Input Line and the meter of the Mixer may swing fully when the

Camera Power Supply is turned ON connected with the Mixer at the Rear Audio Input.

Cause

: +48V for Phantom MIC is output momentarily and it results in Audio Input Line noise.

Remedy: To reduce the Audio Input Line noise, the following modification is performed.

1). Capacitor C4171 ($16V/0.1\mu F$) is put on the resistor R4318 and then soldered them on the foil side

as shown in figures 1, 2 and 3.

2). Capacitor C4271 ($16V/0.1\mu F$) is put on the resistor R4418 and then soldered them on the foil side as shown in figures 1, 2 and 3.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
C4171		ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	0→1			
C4271		ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	0→1			

Audio LCD (1/9) Schematic Diagram

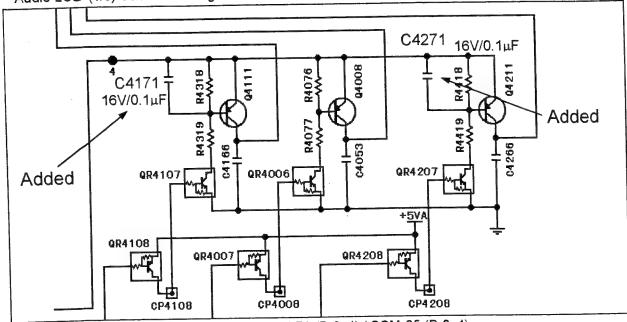


Fig. 1 Page SCM-76 (B-3~4) / SCM-85 (B-3~4)

Audio LCD P.C. Board (VEP04522B)

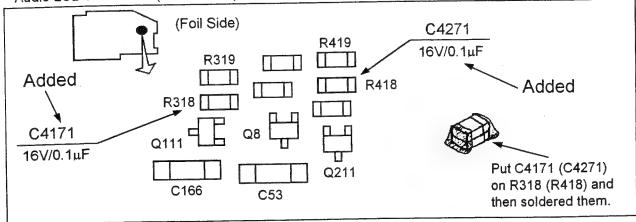


Fig. 2 Page CBA-15 (B-2)

Audio LCD P.C. Board (VEP04690A)

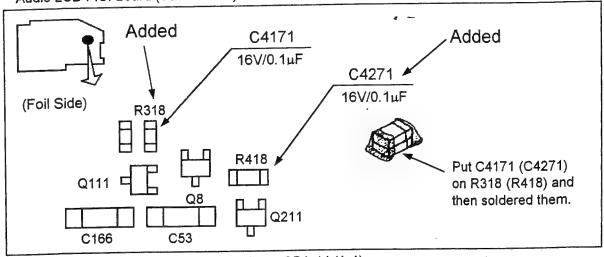


Fig. 3 Page CBA-14 (A-1)

Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject: Reduction of Horizontal Noise during Electrical Shutter Mode

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

18

VSD9708M606A/B

17TKA0001

Board: CCD (VEP20735B)

Symptom: Horizontal noise may appear on the monitor during Electrical Shutter mode.

Cause : Picture may be fluctuated by the shutter pulse of CCD during Electrical Shutter mode.

Remedy : To reduce the horizontal noise during Electrical Shutter mode, capacitors C111, C211 and C311 are

changed from 50V/100pF to 50V/6800pF as shown below.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
C111	ECUX1H102JV	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1			
C211	ECUX1H102JV	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1 1			
C311	ECUX1H102JV	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1			

Ref. No.	Schematic	Diagram	P.C.	Board
	Page	Area No.	Page	Area No.
C111	SCM-14	F-7	***	
C211	SCM-14	D-7		
C311	SCM-14	B-7		

Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject: Standardization of IC

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D700E/EN V17728+V1772969 AJ-D800E/EN V19646+ V2016120 VSD9606M501A/B

K7TKA0001

VSD9708M606A/B

K7TKA0001

Board: Servo (VEP02437B)

To standardize the parts, the microcomputer IC100 is changed from MN6755486H7H to MN6755486H8E on the component side.

Part Number	ber						
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
IC100	MN6755486H7H	MN6755486H8E	IC	1			

AJ-D700

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	- Area No.
C100	2-47	B~E-4~6	3-11	B-2 (C)

AJ-D800

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
C100	SCM-53	D~F-4~6	CBA-11	B-2 (C)

2. Remove the P.C. Board.

1). Remove the 3 screws from the connector side on the Bottom Panel.

2). Remove 4 screws from the Front Panel.

3). Remove 3 screws from the LED side on the Main P.C. Board.

4). Remove the Main P.C. Board from the front upper direction.

3. Remove IC4 from the socket on the original Main P.C. Board and insert it to the new Main P.C. Board (VFK1158AKIT). It is difficult to remove IC4, so use a metal sharp sticker and remove the IC slowly.

4. Set the new Main P.C. Board (VFK1158AKIT) with IC4 as reverse procedures of removal.

5. The Top Panel can not be set, because the 14Pin Connector is added. If the Top Panel must be used, bend the side panel at the connector side or cut it.

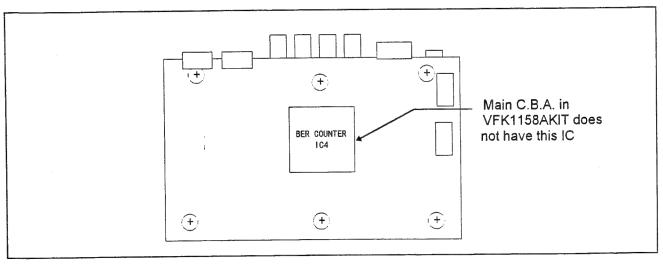


Fig. 2

2-2. VFK1163 (EQ Tool)

VFK1158A or modified VFK1158 (with VFK1158AKIT) needs to be supplied –5V from VFK1163 via pin #1 of 15Pin cable, so VFK1163 should be modified for this reason.

Since July, '97 production of VFK1163, the following modification has been introduced and mark "A" has been added on the serial number plate

2-2-1. Modification Procedure

1. Unscrew 4 screws and remove the Top Cover.

2. Add a jumper wire between pin # 1 of P3 and (-) pole of capacitor C8 as shown below.

3. Install the Top Cover as reverse procedures of removal.

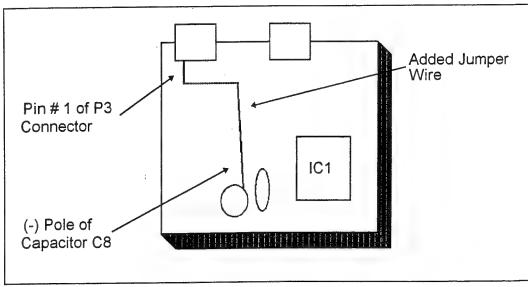


Fig. 3

3. Adjustment Procedures

8. RF Adjustment

8-1. System Hook UP and Setting

System Hook UP

- 1. Connect the Camera with the Auto EQ/RF Adjustment System as shown Figure 1.
- 2. IC connection clip cable from the VFK1185 is not necessary (open).
- 3. Set the switches on the B.E.R. counter as follows. ERROR COUNT SW : ON

CH SELECT SW : AUTO

(L/R : Any one)

Menu Setting on Camera Recorder

1. Open the operation panel.

- 2. Press [SHIFT], [+] and [-] buttons, and set the MENU switch to the SET position.
- 3. Set the menu setting as follows:

PAGE: SERVICE ADJ.
ECU CONNECT :EVR
CONCEAL :OFF
INNER ECC :OFF
OUTER ECC :OFF
SERVO MODE :ATF

4. After the above menu setting, close the menu mode.

Auto Adjustment System Normalization (Calibration)

The system normalization (calibration) should be performed when using the adjustment system at the first time (after the completion of the system hook up) or changing the A/D board, PC or EQ tool.

Also, we recommend to perform it regularly

The auto adjustment system normalization procedure, please refer to paragraph 4. In this supplement service manual.

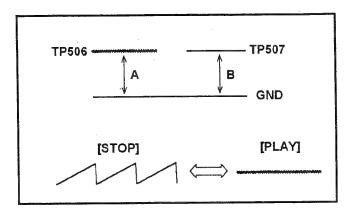
8-2. PLL VCO Adjustment

BOARD	RF				
SPEC.	A=B=2.0±0.1V				
TEST	TP506, TP507				
ADJUST	EVR	-			
MODE	PLAY				
TAPE	Color Bar				
M.EQ	Oscilloscope, EVR	,			

EVR Setting

CMD:02 DATA:7A ADR:0B

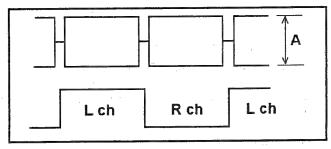
- 1. Monitor the waveform at TP506 and 507 in the DC mode.
- Press the [→] or [←] key in the EVR so that the levels A and B are the same.



8-3. R/P Envelope Level Confirmation

BOARD	RF	
SPEC.	A≧70mV	
TEST	R/P ENV,HSW (B.E.R. Counter) (50 Ω terminated)	
MODE PLAY		
TAPE	Color Bar	
M.EQ	Oscilloscope	

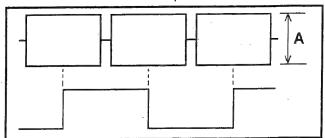
1. Confirm that the waveform is as flat.



8-4. PB Envelope Level Adjustment

	The state of the s
BOARD	RF
SPEC.	100±10mV
TEST PB ENV, HSW(B.E.R. Counter) (50Ω terminated)	
ADJUST	VR400(PB L), VR401(PB R)
MODE	PLAY
TAPE	Color Bar
M.EQ	Oscilloscope

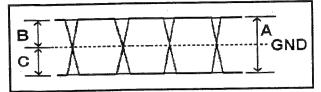
- 1. Confirm that the waveform is as shown in the figure below.
- 2. Adjust the VR400(L ch) and VR401(R ch) so that the level A is within the specification.



8-5. HSE Input Confirmation

BOARD	RF
TEST	TP201, TP300(Trigger)
ADJUST	VR200(DUTY)
MODE	REC
TAPE	Blank Tape
M.EQ	Oscilloscope

- Set the oscilloscope to AC mode.
- 2. Monitor the TP201 and confirm that A is 1.3 ± 0.1 V.
- 3. Confirm that B and C are the same.
- 4. If necessary, adjust the VR200 slightly.



8-6. PB Equalizer Adjustment(Auto)

Menu Setting

- 1. Open the operation panel.
- Pressing [SHIFT], [+] and [-] buttons, set the MENU switch to the SET position.
- 3. Set the menu as follows:

PAGE: SERVICE ADJ.

ECU CONNECT :EVR
CONCEAL :OFF
INNER ECC :OFF
OUTER ECC :OFF
SERVO MODE :ATF

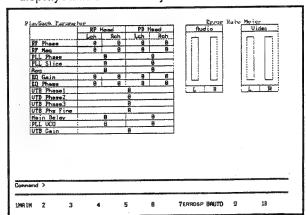
4. After the above setting, close the menu.

Auto Adjustment Software Boot UP

- Copy the all files contained in floppy disk (VFK1160B) to a directory of hard disc drive. (ex. C:\(\frac{1}{2}\)DVCEQ)
- Execute DVCRF.EXE file on DOS command prompt condition. (ex. "C:\(\frac{4}{2}\)DVCEQ\(\frac{4}{2}\)DVCRF")
- 3. Select (2) AJ-D700 in DVCPRO MODEL SELECT.
- 4. Select (1) NORMAL in PROGRAM SELECT.
- Wait about 20 seconds for the parameter loading.
 To short cut this 20 seconds, confirm the power switch of the all equipment are turned ON and then press the "ENTER" key.
- Personal Computer (PC) asks "Do you transfer BOOT PROGRAM?" then once turn the power switch of the EVR I/F box OFF and ON, and then select the [Y].
- 7. PC asks whether any error has happened or not.

- 8. MAIN MENU is available.
 - F1 MENU
 - 1. PB Adjustment
 - 2. REC Adjustment
 - 3. Result
 - 4. File
 - 5. Restart
 - 6. End
- 9. Select 1.PB Adjustment.
- 10. Select whether downloading data from VTR or not.
- 11. Press F8 to select the AUTO.
- 12. Confirm that there is no tape in the VTR and press the [ENTER] key.
- 13. PC asks "Initial Adjust ?". Select the [Y].
- 14. Select 1. All Adjust in PB Auto Menu.
- 15 Insert the Alignment tape and play back the color bar portion according to the instruction on the display.
- 16. During the auto adjustment don't touch the VTR.TOOL and PC.

Please note that the audio error rate is not displayed in the auto adjustment.

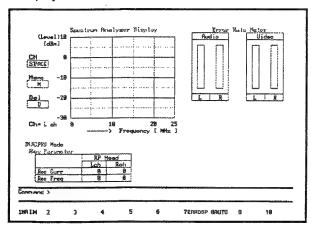


	Hode			Cha	nne t		
\vdash		-			UideoL	VideoR	
PRI	2 RP Hawi	er	****		A	8	
PR	Self Pl	ay	-			100.00	

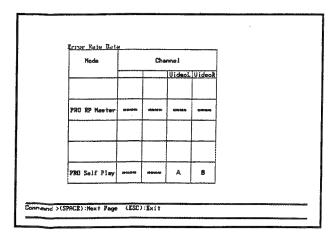
- 17. Adjustment may complete after 5-6 minuets.
- 18. Error rate is measured and displayed.
- 19. Confirm that the data A and B are green color. If there is any red color, try the same adjustment again after cleaning of the video head and tape transportation.

8-7. Rec. Curr. & Freq. Adjustment

- 1. Open the MAIN MENU according to the same procedure as the PB Equalizer Adjustment.
- 2. Select 2. REC Adjustment in the MAIN MENU.
- PC asks whether download the VTR data from the VTR or not.
- 4. Select [Y] so that the VTR adjustment data are saved in to the PC.
- 5. Press F8 to select the AUTO.
- 6. Select 1.Adjust start in the sub menu.
- 7. Insert the alignment tape and play back the color bar portion according to the instruction on the display.
- 8. After memorizing the playback data, insert a blank tape and start a recording according to the instruction on the display.
- During the adjustment, don't touch the VTR and PC adjustment system.
- During the adjustment, audio error rate in not displayed.



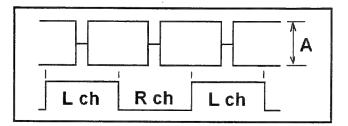
- 11. Rewind the recorded tape which was recorded on the blank tape and play back the recorded portion according to the instruction on the display.
- 12. The error rate is measured and displayed.
- 13. Confirm that the data A and B are green color.



8-8. Confidence PB Adjustment

BOARD	RF	
SPEC.	100±10mV	
TEST PB ENV, HSW (B.E.R. Counter) (50Ω terminated)		
ADJUST	VR400(PB L), VR401(PB R)	
INPUT Internal Color Bar		
MODE	REC	
TAPE	Blank Tape	
M.EQ	Oscilloscope	

- 1. Place the unit in the confidence PB mode.
- 2. Adjust VR400 and 401 so that the level A is within the specification.



8-9. Final Confirmation

BOARD	RF
TEST	VIDEO OUT
INPUT	Internal Color Bar
MODE	REC, PLAY
M.EQ	B.E.R. Counter, Monitor TV

- 1. Record the internal color bar signal.
- 2. Play back the recorded portion.
- 3. Confirm that the error rate is less than 250 on the L and R channels.
- 4. Play back the recorded portion on a studio editing DVCPRO and confirm that the error rate is less than A as shown in the figure below..
- If it is not less than A, readjust Rec Current and Frequency Response.
- 6. Set the menu as follows:

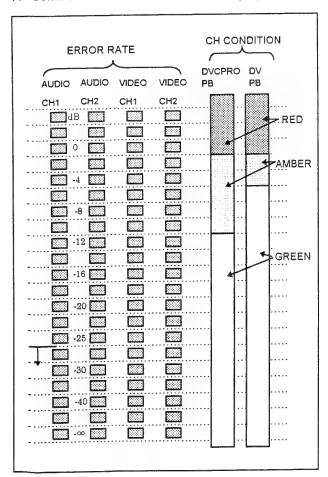
PAGE: SERVICE ADJ.

INNER ECC

:ON

OUTER ECC :ON

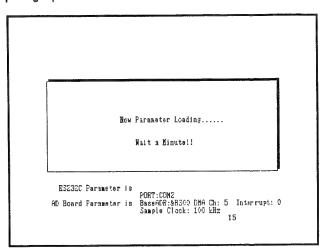
7. Confirm that there is no error in the playback picture.



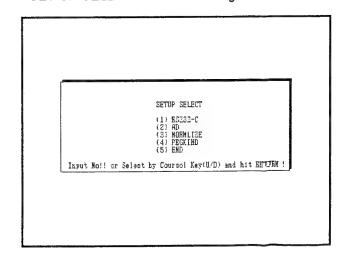
4. Important Notice

4-1. Auto Adjustment System Normalization (Calibration) Procedure

1. Boot up the auto adjustment system according paragraph 8-6.



- 2. During parameter count down, press the "F2" as shown in figure below.
- 3. Select "(3) NORMALIZE" when the display shows "SET UP SELECT as shown the figure below.



 When display shows "TOOL BOX NORMALIZING", play back the color bar portion of the alignment tape and press the ENTER key.

Tool Box Mormalizing
Flay back the DUCPRO MASTER TAFE. Then Press ENTER key.

Wait for the completion of USER DATA measurement. When measurement is completed, the display shows the USER DATA and DEFAULT DATA at the upper side of the display.

6. Compare the USER DATA and DAFAULT DATA, and confirm that the difference is within $\pm\,0.01$ as shown in figure below.

7. The PC asks "NORMALIZING AGAIN?"

Tool Box Normalizing

 USER DATA
 0.025150
 0.032330
 0.030150
 0.011832

 DEFAULT DATA
 0.025166
 0.032229
 0.030103
 0.011836

Normlizing Again ? I(Y)/(N)|
Please Select (U)ser/(D)efault !!

- 8. If value is within the specification, press the "N" key.
- 9. The PC asks "PLEASE SELECT (U)ser/(D)efault".
- 10. Press "U" to select the USER. This USER data becomes as the DEFAULT data from the next operation as shown in figure above.
- 11. If the value is not within the specification, confirm the connection of the adjustment system and quality of the alignment tape, and perform the above steps 7 and 8 again.
- 12. ("NORMALIZING AGAIN?", press the "Y")
- 13. If it is not improved after several times may be something wrong with the EQ tool.
- 14. When performing the Auto Adjustment System Normalization regularly under condition of the same combination of the PC, A/D Board and EQ Tool, the difference of USER DATA and DEFAULT DATA should be within ± 0.005.

Supplement to the Service Manual

Broadcast Product

Subject: Introduction of Auto EQ/RF Adjustment System

Please use this supplement together with the Service Manual as follows:							
Model No.	Bulletin No.	Order No.	Effective from				
AJ-D700E/EN	70	VSD9606M501A/B	200				
AJ-D800E/EN	21	VSD9708M606A/B					

In order to increase serviceability of EQ/RF Adjustment, New Auto EQ/RF Adjustment System has been introduced.

1. Preparation

To perform the EQ/RF adjustment automatically, the following adjustment system should be prepared.

1-1. Special Tools

No.	Current Part No.	New Part No.	Tool Name	Remarks
1	VFK1163	VFK1163	EQ Adj. Tool	See Paragraph 2-2
2	VFK1158	VFK1158A	B.E.R. Counter	See Paragraph 2-1
3	VFK1160A	VFK1160B	Auto EQ Adj. Software	
4	VFK1162A	Same as current	EVR Software	
5	VFKW1000AA	Same as current	EVR I/F Box	
6	VFKW1000C	Same as current	EVR RS-232C Cable	
7	VFK1180	Same as current	EVR Sub I/F Board	
8	VFK1187	Same as current	EVR Cable	
9	VFK1185	Same as current	B.E.R. Cable	
10	VFM3580KM	Same as current	Alignment Tape (1)	NTSC System
11	VFM3680KM	Same as current	Alignment Tape (1)	PAL System
11	VFK1300	Same as current	A/D board	DAQ-12

: Modification or new type is needed.

1-2. Measuring Equipment

4	Medoning -darbin	
No.	Name of Equipment	Remarks
1	Personal Computer	IBM PC/AT Compatible
2	Monitor TV	
3	DC Power Supplier	DC 6V
4	DC Power Supplier	DC 8.5-12V
5	Oscilloscope	More than 100MHz

Panasonic

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1-3. System Diagram

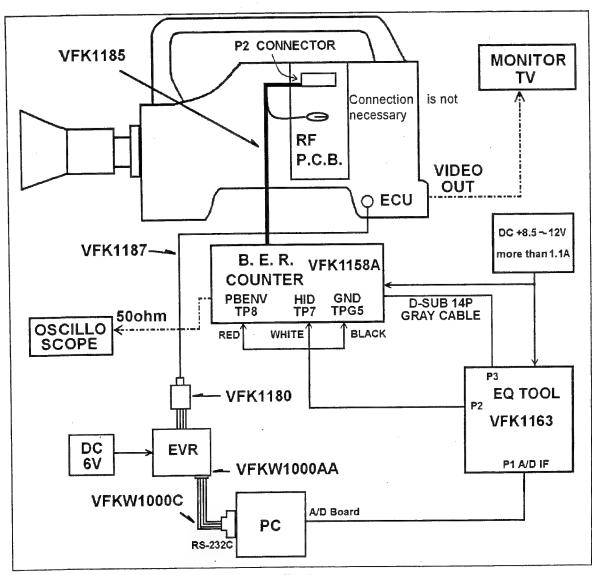


Fig. 1

2. Modification

2-1. VFK1158 (Current B.E.R. Counter)

When modifying the current B.E.R. Counter with modification kit VFK1158AKIT, the B.E.R. counter performs the same function as VFK1158A.

2-1-1. Modification Kit (VFK1158AKIT)

The modification kit consisted of the following items.

Part Name	Part No.	Quantity
Main P.C. Board	VFK1158KIT	1
Cable	40 en 40	1
Auto EQ Software	VFK1160B	1

2-1-2. Modification Procedure

1. Unscrew the 4 screws from the right and left panel (each 2 screws) and remove the Top Panel.

Supplement to the Service Manual

Broadcast Product

Subject : Change of IC

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D700E/EN V47728+V4772974

VSD9606M501A/B

K7TKA0001

AJ-D800E/EN V 19646+ V20161 22

VSD9708M606A/B

.......

K7TKA0001

Board: EVF Video (VEP29022A)

Reason for Change

- The following part(s) has(have) been changed for serviceability improvement.
- The following part(s) has(have) been changed for productivity improvement.
- The following part(s) has(have) been changed for standardization.
- ☐ The following part(s) has (have) been changed for the safety regulation.

Part Number										
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks					
IC9005	MC74HC164F	MC74HC164AF	IC	1						

AJ-D700

Γ	Ref. No.	Schematic Diagram		P.C. I	Board
		Page	Area No.	Page	Area No.
ı	IC9005	2-86	G-9		

AJ-D800

7 10-0000				
Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Areae No.
IC9005	SCM-101	G-9	- All All All All All All All All All Al	

1621SE0794

Supplement to the Service Manual Broadcast Product

Subject: Reduction of Audio Input Line Noise after Power ON

Please use this supplement together with the Service Manual as follows:

Model No.

Order No.

Effective from

AJ-D700E/EN V17728 + V1772376 AJ-D800E/EN V 18646+ V 2016125 VSD9606M501A/B

K7TKA0001

VSD9708M606A/B

K7TKA0001

Board: Audio LCD (VEP04522B) Audio LCD (VEP04690A)

Symptom: Audio noise may appear at the Audio Input Line and the meter of the Mixer may swing fully when the

Camera Power Supply is turned ON connected with the Mixer at the Rear Audio Input.

: +48V for Phantom MIC is output momentarily and it results in Audio Input Line noise. Cause

Remedy: To reduce the Audio Input Line noise, the following modification is performed.

1. The unit produced before Serial Number C8TKA****

1). LCD microcomputer IC4603 is changed from UPD75328G742 to UPD75328G769 on the component.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
IC4603	UPD75328G742	UPD75328G769	IC	1	

Audio LCD Board (VEP04522B) - AJ-D700E/EN

Ref. No.	Schemati	c Diagram	P.C. I	P.C. Board	
	Page	Area No.	Page	Area No.	
IC4603	2-75	C~D-3~5 (6/9)	3-17	E-2 (F)	

Audio I CD Board (VEP04522B) - AJ-D800EN

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Are a No.
IC4603	SCM-81	C~D-3~5 (6/9)	CBA-15	E-2 (F)

Audio LCD Board (VEP04690A) - AJ-D800E

Ref. No.	Schematic	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.	
IC4603	SCM-90	C~D-3~5 (6/9)	CBA-14	E-2 (F)	

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2. The unit produced after Serial Number C8TKA****

- 1). LCD microcomputer IC4603 is changed from UPD75328G742 to UPD75328G769 on the component.
- 2). Capacitors C4171 and C4271 ($16V/0.1\mu F$) are not installed. (Please refer to the Technical Bulletin No. VSD9710SB660 and VSD9711SG604)
- * Note * If the LCD IC has been replaced to new one and the capacitors C4171 and C4271 have been installed, there is no affect to operate the unit. So, it is not necessary to remove the capacitors.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
C4171	ECUX1C104KBV		C. CAPACITOR CH 16V 0.1U	1→0			
C4271	ECUX1C104KBV	National Page 1	C. CAPACITOR CH 16V 0.1U	1→0			
IC4603	UPD75328G742	UPD75328G769	IC	1 1			

Audio LCD Board (VEP04522B) - AJ-D700E/EN

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
C4171	2-70	G-3 (1/9)	3-17	B-2 (F)
C4271	2-70	G-4 (1/9)	3-17	B-2 (F)
IC4603	2-75	C~D-3~5 (6/9)	3-17	E-2 (F)

Audio LCD Board (VEP04522B) - AJ-D800EN

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
C4171	SCM-76	B-3 (1/9)	CBA-15	B-2 (F)
C4271	SCM-76	B-4 (1/9)	CBA-15	B-2 (F)
IC4603	SCM-81	C~D-3~5 (6/9)	CBA-15	E-2 (F)

Audio LCD Board (VEP04690A) - AJ-D800E

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
C4171	SCM-85	B-3 (1/9)	CBA-14	A-1 (F)
C4271	SCM-85	B-4 (1/9)	CBA-14	A-1 (F)
IC4603	SCM-90	C~D-3~5 (6/9)	CBA-14	E-2 (F)

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Order No. VSD9804SG608

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Supplement to the Service Manual

Broadcast Product

Subject: Software Version Up Grade

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

26

VSD9708M606A/B

A8TKA0001

Board: Camera System Control (VEP26074D)

The following software has been up-dated to add the functioning of the VTR.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
IC3502	VSI2480C	VSI2480D	CAM SYSCON PROM Ver. 1.4	1	

< TEST MENU >

* CAM SYSCON IC3502 : 1.4 CAM SYSCON IC3505

F405

4736

VTR SYSCON IC6006 : 1.3 DE1E

< improvement of Performance >

1. Noise may appear on the upper side of the picture when the Electronic Shutter speed is selected 1/1000 or 1/2000. It is improved.

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Supplement to the Service Manual

Broadcast Product

Subject: Countermeasure for Over Current to DC OUT Protect Circuit

Please use this supplement together with the Service Manual as follows:

Model No. Bulletin No. Order No. Effective from

AJ-D800E/EN 28 VSD9708M606A/B C8TKA0001

Board: Rear Jack (VEP01786A)

Symptom: Resistor for the DC Output Protection may be opened when using AJ-D700 connected with the wireless receiver.

Cause : Due to the over current for the DC OUT Protect resistor.

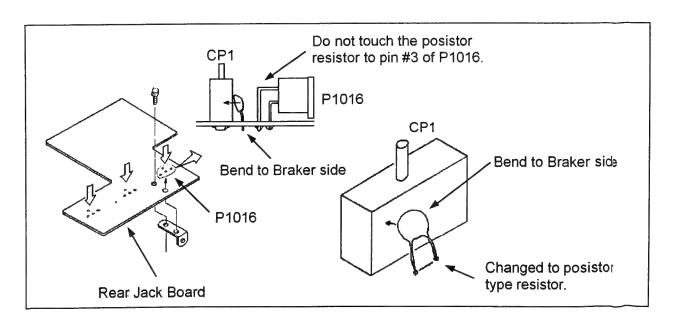
Remedy To prevent it, resistor R1015 is changed from carbon type to posistor type as shown below.

1). Remove the carbon type resistor R1015 from the component side.

2). Install the posistor type resistor R1015 to the removing portion of it.

3). Bend R1015 to the Braker side (CP1) so as not to touch R1015 to pin #3 of P1016 as shown in figure 1.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
R1015	ERDS2TJ4R7	VRT01512R2	POSISTOR 2.2	1			



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Supplement to the Service Manual

Broadcast Product

Subject: Reduction of Audio Pop Noise

Diagona	this supplement	together with	the Service	Manualas	follows :
Please use	this supplement	together with	THE SELVICE	ivialiual as	IUIIUWS .

Model No.

Bulletin No.

Order No.

Effective from

AJ-D700E/EN V17728+V17729 79

VSD9606M501A/B

C8TKA0001

AJ-D800E/ENV-19646+ V 26161 29

VSD9708M606A/B

C8TKA0001

Board: Video Main (VEP03B96B)

Symptom: Audio pop noise may occur when the tape which is recorded by AJ-D700 is played back with AJ-

D750.

Cause : When the power is turned ON and then OFF, the phase of audio frame pulse and audio clock is not fixed. Then latch timing failure may occur in the LSI and audio sample number in 1 frame becomes

irregular. It results in audio pop noise.

Remedy: To reduce the audio pop noise, the following modification is performed.

1). Remove the leg of pin #13 of IC33 on the component side as shown in figures 1 and 3.

2). Connect a jumper wire between pin # 12 of IC33 on the component side and through the hole and the CTP land (near pin #9 of IC14) on the foil side as shown in figures 1, 2, 3 and 4.

Video Main P.C. Board (VEP03B96B)

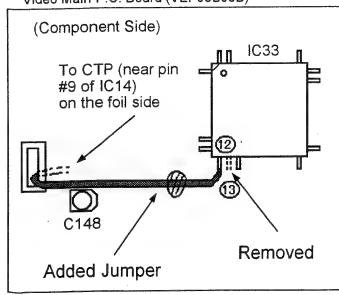


Fig. 1 Page 3-12 (B-2) / CBA-12 (B-2)

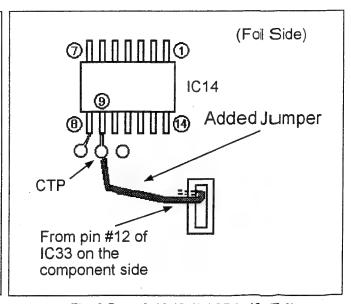


Fig. 2 Page 3-12 (C-2) / CBA-12(C-2)

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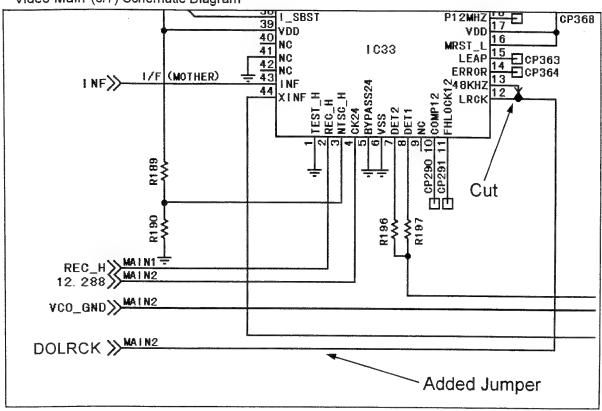
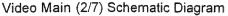


Fig. 3 Page 2-66 (F-2~5) / SCM-72 (A-2~5)



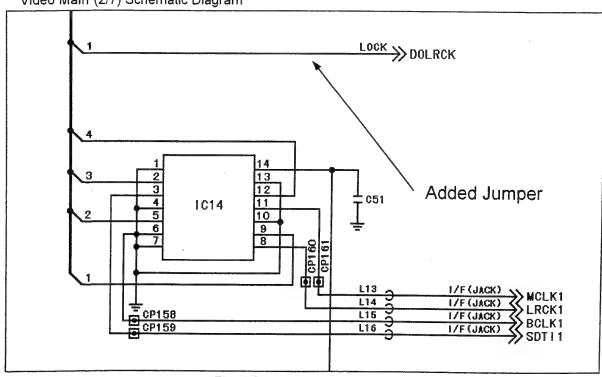


Fig. 4 Page 2-62 (F-9) / SCM-68 (I-13)

Supplement to the Service Manual

Broadcast Product

Subject: Improvement of Pinch Roller

Please use this supplement together with the Service Manual as follows:					
Model No.	Bulletin No.	Order No.	Effective from		
AJ-D700E/EN	92	VSD9606M501A	C8TKA0001		
AJ-D800E/EN	52	VSD9708M606A	C8TKA0001		

Mechanical Chassis Assembly (2)

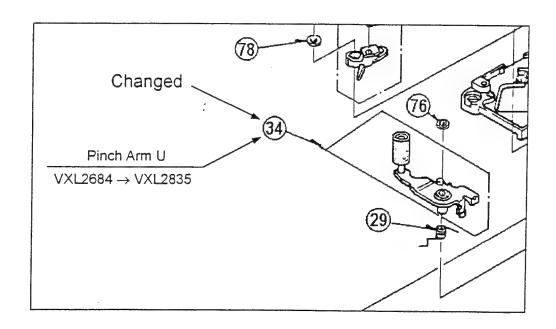
Symptom: Pinch Roller may be cracked.

Cause : Due to the lack of plasticizer from the Pinch Roller rubber and atmosphere. (Ozone) It results in

Pinch Roller crack.

Remedy: To prevent it, the Pinch Arm Unit is changed from VXL2684 to VXL2835 as shown below.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
34	VXL2684	VXL2835	PINCH ARM U	. 1	



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Supplement to the Service Manual

Broadcast Product

Subject: Improvement of Main Cam Arm Unit

Please use this supplement together with the Service Manual as follows :				
Model No.	Bulletin No.	Order No.	Effective from	
AJ-D700E/EN	98	VSD9606M501A	D8TKA0001	
AJ-D800E/EN	58	VSD9708M606A	D8TKA0001	

Mechanical Chassis Assembly (2)

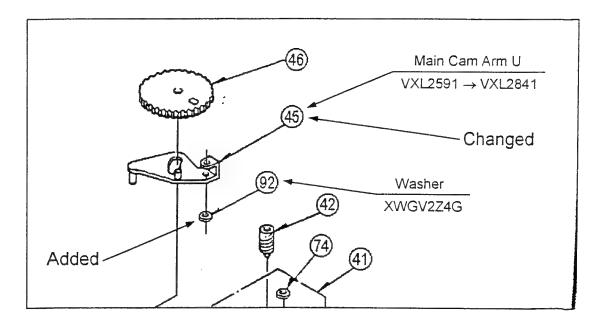
Symptom: U-shaped portion of the Main Cam Arm Unit may be broken when the loading is repeated.

Cause : Due to the lack of material strength.

Remedy: To prevent it, the Main Cam Arm Unit is changed from VXL2591 to VXL2841 and the washer

(XWGV2Z4G) is added under the Main Cam Arm Unit as shown below.

Part Number						
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks	
45	VXL2591	VXL2841	MAIN CAM ARM U	1		
92		XWGV2Z4G	WASHER	0→1		



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Supplement to the Service Manual

Broadcast Product

Subject: Improvement of Reinforcement of Slider Lock Function

Please use this supplement together with the Service Manual as follows:					
Model No.	Bulletin No.	Order No.	Effective from		
AJ-D700E/EN	103	VSD9606M501A	H8TKA0001		
AJ-D800E/EN	63	VSD9708M606A	H8TKA0001		

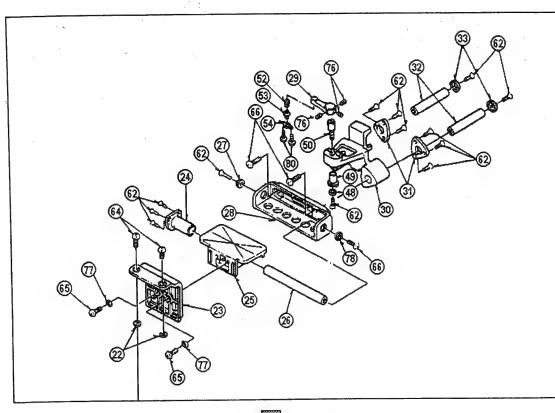
EVF Assembly

To improve the reinforcement of the Slider Lock function, the EVF Attachment Assembly is changed as shown below.

* Note *
The following parts as shown below are replaced at the same time.

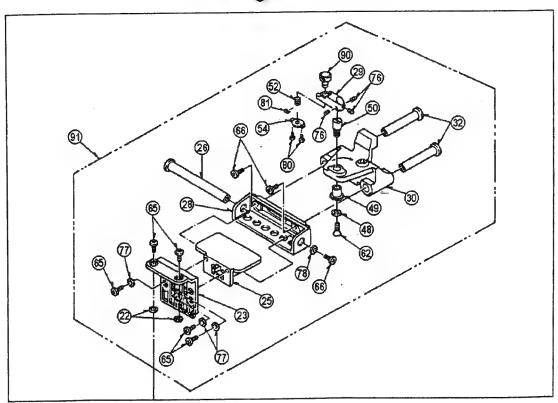
Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
23	VGM1267	VGM1458	LOCK BASE	1	
24	VDB1393		BUSHING	1→0	
25	VGM1266	VGM1457	LOCK TABLE	1 1	
26	VMS5862	VMS6274	SHAFT (B)	1	
27	VGQ3989		SHAFT STOPPER	1→0	
28	VGM1265	VGM1456	PLATE (B)	1 1	
29	VGU7076	VGU7714	LOCK LEVER	1	
30	VGM1264	VGM1455	PLATE (A)	1 1	
31	VDB1392		BUSHING A	2→0	
32	VMS5861	VMS6273	SHAFT (A)	2	
33	VGQ3989		SHAFT STOPPER	2→0	
53	VGQ4181		LOCK SOCKET	1 →0	
62	XQS2+A6FZ		SCREW	120	
65	XSB3+8FZ	XSB3+8VZ	SCREW	5	
66	XSB4+8FZS	XSB5+8VCK	SCREW	3	
81		XUC2FP	E-RING	0→1	
90		VMS6275	EVF LOCK SHAFT 4 ~	0→1	
91	_	VYQ1638	EVF ATTACHMENT ASS'Y	0→1	

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Changed



Order No. VSD9810SG622

Technical Bulletin

Supplement to the Service Manual

Broadcast Product

Subject : Software Version Up Grades

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

VSD9708M606A/B

F8TKA0001

Board: Camera System Control (VEP26074D)

The following software has been up-dated to add the functioning of the VTR.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
IC3502	VSI2480D	VSI2480E	CAM SYSCON DATA PROM Ver. 1.5	1	-		
IC3505	VSI2481C	VSI2481D	CAM SYSCON PROM Ver. 1.4	1			

< TEST MENU >

IC3502 : 1.5

6955

VTR SYSCON IC6006 : 1.3

* DATA ROM

* CAM SYSCON IC3505 : 1.4 4732

The marked (*) versions are the devices which have been changed from this software revision.

- < Improvement of Performance >
 - 1. When the irregular signal is input to GENLOCK IN, data may be broken. It is improved.

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Supplement to the Service Manual

Broadcast Product

Subject: Improvement of H Shading Specification

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D800E/EN

VSD9708M606A/B

F8TKA0001

Board: Camera System Control (VEP26074D)

Pre Process (VEP23278B)

Symptom: H shading may be out of specification.

Cause

: H shading compensation does not work correctly.

Remedy: To improve the H shading specification, the digital dark shading compensation is optimized.

following modification is performed.

* Note * When this modification is performed, the CAM SYSCON PROM IC3502 and IC3505 must be up-graded at the same time as follows. Please refer to the Technical Bulletin No. VSD9810SG622.

IC3502

VSI2480E

Ver. 1.5

IC3505

VSI2481D

Ver. 1.4

< Pre Process Board >

1). Resistor R3410 is changed from 1/16W, $56K\Omega$ to 1/16W, $47K\Omega$ on the foil side.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Rem arks
R3410	ERJ3RBD563	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
R3410	SCM-11	E-4 (3/5)	CBA-3	C-3(F)

< Camera System Control Board >

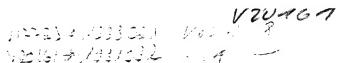
1). Resistor R3609 is changed from 1/16W, 15K Ω to 1/16W, 30K Ω on the foil side.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Renarks
R3609	ERJ3GEYJ153	ERJ3RBD303	M. RESISTOR CH 1/16W 30K	1	

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
R3609	SCM-19	A-5 (4/5)	CBA-5	C-1 (F)

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Supplement to the Service Manual

Broadcast Product

Subject: Waterproofing EVF

Please use this supplement together with the Service Manual as follows:					
Model No.	Bulletin No.	Order No.	Effective from		
AJ-D700E/EN	113	VSD9606M501A	L8TKA0001		
AJ-D800E/EN	76	VSD9708M606A	L8TKA0001		

EVF Assembly

Symptom: Picture may not be appeared when the View Finder is left to be turning the Eye Piece toward the

upside.

Cause : Water may come into the EVF through the Eye Piece Unit.

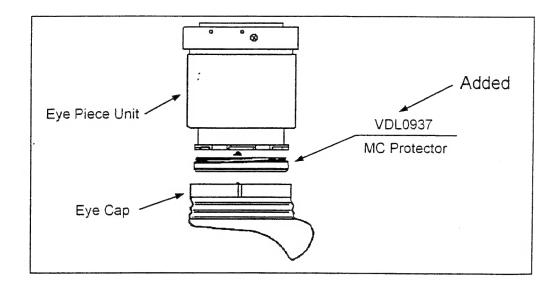
Remedy: To prevent it, the MC Protector (VDL0937) is added to the Eye Piece Unit as shown below.

< Installation Method >

1). Remove the Eye Piece Unit.

2). Mount and secure the MC Protector with the 52mm thread to the Eye Piece Unit as shown below.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
92		VDL0937	MC PROTECTOR	0→1	



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Supplement to the Service Manual

Broadcast Product

Subject: Addition of Screw Adhesive

Please use this supplement together with the Service Manual as follows :						
Model No.	Bulletin No.	Order No.	Effective from			
AJ-D700E/EN	124	VSD960 ≸ M501A/B ←	19TKA0001			
AJ-D700AE	2	VSD9909M910A/B ←	I9TKA0001			
AJ-D400E	4	VSD9903M004A/B ~	I9TKA0001			
AJ-D800E/EN	86	VSD9708M606A/B ✓	19TKA0001			
AJ-D800AE	2	VSD9909M910A/B ✓	19TKA0001			

Frame Assembly (1) Frame Assembly (2) VATT28# 1033021 V25223# 2029084

Frame Assembly (2)

EVF Assembly

V20/61# 103/037

Symptom: The screws on the Frame Assembly (1), (2) and EVF Assembly sections may be loosened.

Remedy: Screw adhesive is applied to the screws on the Frame Assembly (1), (2) and EVF Assembly sections.

- 1. Regarding the locations of the adhesive application to the screws on the Frame Assembly (1), (2) and EVF Assembly sections, refer to the next page.
- 2. Specification of screw adhesive application
 - * Approx. 0.02g of the adhesive must be applied to the surface of the thread from the tip to the half of the thread section.
 - After applying the adhesive, check that it covers the visible area on the thread.



Apply adhesive to the half of the thread section.

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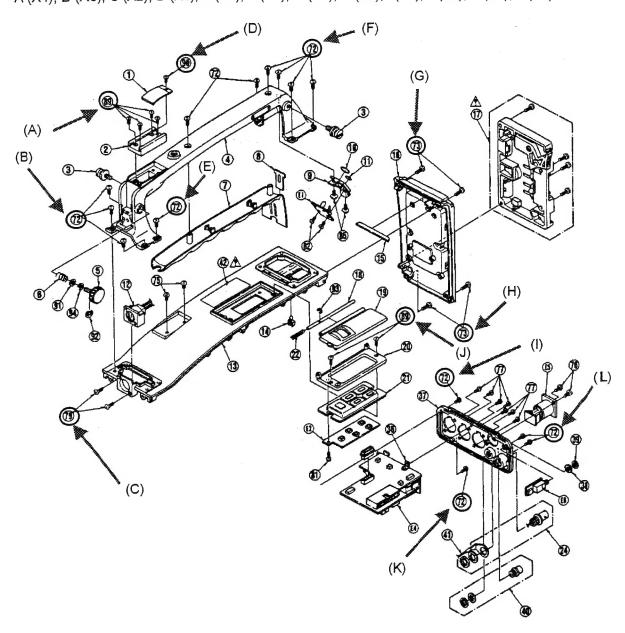
Adhesive Application Positions

- 1) Frame Assembly (1) ... 25 positions
- 2) Frame Assembly (2) ... 6 positions
- 3). EVF Assembly 1 position

Reference Exploded Views of Adhesive Application Locations

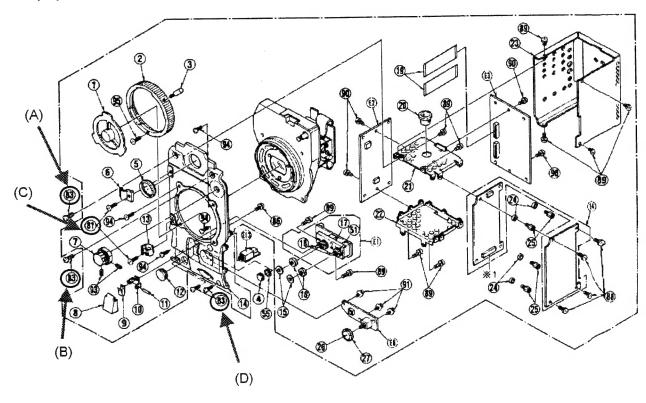
* As per the Exploded View of Service Manual

Frame Assembly (1)
 (Application locations)
 A (X4), B (X3), C (X2), D (X1), E (X1), F (X4), G (X2), H (X2), I (X1), J (X2), K (X1), L (X2)



Note: AJ-D800E/EN and AJ-D800AE are not applied the screw adhesive to "D" portion because of nouse of the Leaf Spring (Reference No. <1>).

2). Frame Assembly (2) (Application locations) A (X1), B (X1), C (X2), D (X2)



3). EVF Assembly (Application location) A (X1)

